HISTORIA CONTRACTOR OF THE STATE OF THE STAT he Atining Journal

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 569 .--- Vol. XVI.

LONDON: SATURDAY, JULY 18, 1846.

PRICE 6D.

INE MATERIALS.—TO BE SOLD, BY AUCTION, at the BEERALSTONE CONSOLS, in the parish of Beeralstone, near Taylstock, on, on Thursday, the 30th day of July inst., at Eleven o'clock in the forenoon, the wing MINE MATERIALS, consisting of an excellent—inch cylinder double-acting STEAM-ENGINE, for PUMPING, with boiler, and a DRAWING MACHINE attached thereto.

WATER WHEEL 40-feet diameter. 2-then to present with creater attached.

DRAWING MACHINE attached therato.

A WATER WHEEL, 40-feet diameter, 2-feet in breast, with crusher attached.

This statement of 6-inch IRON PUMPS; 20 fathoms 6-inch WOOD PUMPS.

Thich, and 25-inch, plunger poles and cases.

Thich, and 25-inch, plunger poles and cases.

Ginch windbore, door, and H-piece; capstan and shears.

Atthorns wood-rods, with plates, bolts, &c.

Tathorns wood-rods, with plates, bolts, &c.

Tathorns wood-rods, with plates, bolts, &c.

Tathorns HallROAD IRON, 25 by 1-inch, with saddles.

DARK HILL MINES, DEAN FOREST—consist of an extensive tract of IRON ORE, in conjunction with one of COAL—conveniently mate for the SUPPLY of BLAST-FURNACES, which may be erected adjacent. The KOM MINE includes TWO VEINS of ORE, containing 40 per cent. of iron. The COAL—ELD includes FOUR VEINS of excellent COAL. The whole can be drained by level. is desired to FORM a 9DINT-STOCK COMPANY, to OPEN the MINES and ERECT URNACES; or a PARTNERSHIP will be entered into, or a LEASE granted. The part on the investment will exceed 30 per cent.—For particular apply (if by letter, particular apply) (if

DENNANT LEAD AND COPPER MINING COMPANY.

NOW IN WORK ON THE "COST-BOOK" PRINCIPLE.

Prospectuses, reports, maps, and every information, may be obtained at the offices of e company. No. 4, Salisbury-street, Strand; the solicitors, Messrs. Pocock and Marston, J. 10, Morfolk-street, Strand; or Charles Godwin, Esq., stock and share broker, Mysl, vail Exchange-buildings.

No. 10. Norfolk-street, Strand; or Charles Godwin, Esq., stock and share broker, Ng. Royal Exchange-buildings.

WHEAL HOLWELL MINING COMPANY.

IN 2048 SHARES.

This COPPER MINING SETT, lately opened, is situated in the parish of STOKE CLIMS—LAND, CORNWALL, about one mile north-west of Lamerhooc Wheal Maria, and two and a half miles north-west of the Great Devonshire Consols (late the Great Wheal Maria, and is held under a license granted by his Royal Highness Albert Edward, Prince of Wales, and will be worked on the cost-book system, under which the liabilities of the shareholders are only from month to month, all accounts being audited and settled morthly. It is divided into 2048 shares, price 17. 10s. per share, at which the greater portion of the share hades been disposed of. A finance committee will be chosen by the shareholders from amongst themselves at their first meeting. The management will be exclusively in London, the committee meeting once a month, or oftener, if necessary, and their services will be gratuitous.

By the 63d section of the Ast for the Registration of Joint Stock Companies (7 and 8 Vic. cap. 10), it is enacted. "That nothing in this Act contained shall extend, or be construed to extend, to any partnership formed for the working of mines, minerals, and quarries, of what nature seever, on the principle commonly called the Cost Book principle."

Among the advantages of the Cost-Book system, may be mentioned that of any shareholder having the option at once to truminate his liability by relinquishing his shares, when all responsibility ecases for expenses incurred from the date of his leaving the company.—A surface plant, showing the lockes already discovered, may be inspected; and the bollowing report from Capt. Floyd on the mine is highly important:—

We have now discovered the coppe Jodes running at an average bearing of 12 deg. the control of east.—No. 1 lode is 3ft. wide, composed of gossan, prian, soft spar, and mundic. No. 2 is 13 ft. wide, composed of which he last mentioned, and

7th such an undertaking.

1, 1846.

SAMUEL FLOYD, Captain of the Mine."

Rions for the remaining shares may be made to the secretary of the company offs, Esq., No. 4, King-street, Cheapside, where prospectuses, and all details re be mine, may be obtained,—Dated July 7, 1846.

Applications for the remaining shares may be made to the secretary of the contagnity of arise crores, Seq., No. 4, King-street, Cheapadde, where prospectuses, and all details respecting the mine, may be obtained.—Dated July 7, 1846.

PRINCE EDWARD MINING COMPANY.

IN 2048 SHARES,
This COPPER and LEAD MINING SETT, lately opened, is situated on TREMOLLET DOWN, is the parsish of 570KE CLIMSLAND, CORNWALL, about three miles wertward of the Great Devonshire Consols, (late the Great Wheal Maria,) one mile west of Wheal Heliveil, and is held under a license granted by his Royal Highness Albert Edward, Trines of Wales, at 1-18th dues, and will be worked on the "COST-300K" system, under which the liabilities of the shareholders are only from month, to month, all accounts being audiced and settled monthly. It is divided into 2048 shares, and a payment of 14, 10s, per share will be required at the time of allotment, when each adventure is required to sign the Cost Book. A finance committee will be chosen by the shareholders from amongs themselves at their first meeting immediately after the shares are disposed of. The margement will be exclusively in London, the committee meeting once a month, or othere, if necessary, and their services will be gratuitous.

By the Galds section of the Act for the Registration of Joint Stock Companies (7 and 8 Vic. cap. 110,) it is enacted, "That nothing in this Act contained shall extend, or be construed to extend, to say partnership formed for the working of mines, minerals, and quarties, of what nature seever, on the principle commonly called the Cost Book principle."

Among the advantages of the Cost-Book system, may be mentioned that of any shareholder having the option at once to terminate his liability by relinquishing his shares, when all the advantages of the Cost-Book system, may be mentioned that of any shareholder having the option at once to terminate his liability by relinquishing his shares, when a different power commons, attacts in the parish of Stoke Climshand, in the cou

pplication for ahares may be made to the screekary of the company, James Crofts, Esq. 4. King-street, Chapsaide, where prospectuses, and all details respecting the mine be obtained. — Dated July 1, 1846.

CHATHAM NICKEL AND COBALT MININC COMPANY.
SITUATE AT CHATHAM, STATE OF CONNECTICUT, UNITED STATES.

This company is incorporated pursuant to the law of the State of Connecticut, which limit the liability of the tharcholders to the amount paid upon their shares.

"The ores have been analyzed by eminent practical chemists of both England and America, and have been found to average 18 per cent, cobalt and nickel—about 4 per cent, cobalt, and 12 to 18 per cent, nickel."

Application for shares, and full particulars, to be obtained to the solicitors of the company, Tigil Terrell, Eq., 30, Basinghall-street; and of Mr. R. E. Little, stockbroker, 11, Warmford-court, Throgmorton-street, London.

THE PATENT SAFETY FUSE, POR BLASTING ROOKS IN MINES, QUARRIES, AND FOR SUBMARINE OPERATIONS.—This article affords the SAFEST, CHEAPEST, and most EXPEDITIOUS MODE of effecting this very hazardous operation. From many testimonies to its assumess with which the manufacturers have been favoured from every part of the king dom, they select the following letter, recently received from Jehn Taylor, Eq., F.R.S., &c.,—"I am very glad to hear that my recommendations have been of any service to you; they have been given from a thorough conviction of the great usefulness of the Safety Fuse; and I am quite willing that you should employ my name as syideness of the Manufactured and sold by the Patentees, BICKFORD, SMITH, and DAVEY, Onlowing Cornwall.

ENGINEERS, RAILWAY CONTRACTORS, MINING AGENTS, IRONMASTERS, AND OTHERS REQUIRING FINE GREASE for MINING AGENTS, IRONMASTERS, AND OTHERS REQUIRING FINE GREASE for ANTI-FRICTION GREASE is—after trials on machinery and axis of every kind where constant friction is kept up—admitted to be the most useful, economical, and best preparation of the kind ever offered to the public.

References to scientific and practical men can be given, and testimonials shown of its recat excellence.—Samples forwarded on application at the manufactory, Green-street, Wellington-street, Blackfriars-road, London.

TRELAND.—BOARD OF PUBLIC WORKS.

DRAINAGE NAVIGATION, AND MILL POWER COMMISSION-IRELAND.

MONEYS TO BE BORROWED.

The commissioners, acting under the provisions of the above-named Acts, are prepared to RECEIVE PROPOSALS FOR LOANS OF MONEY, for the EXECUTION of WORKS in various districts in RELAND. The amount required for the PRESENT YEAR, will probably be TWO HUNDRED THOUSAND POUNDS.

The security created by the Acts is a first charge on the lands to be drained or improved, with priority, and in preference to all charges and incumbrances thereon (except quit rent and rent charge, in lieu of tithe), and a further charge upon lands within one mile of the lands to be drained belonging to the same proprietors, but without priority as to auch last-mentioned lands.—Debentures, transferable by simple endorsement, without stamp duty, will be issued to lenders, free of any expense, for any amount from £50 upwards. Interest will be paid all-yearly, from the date of the debenture, on each lat day of July; and the principal money secured by each debenture will be paid off in oxe zws, pursuant to the provisions of the Act.

Proposals, marked on the envelope, "Proposals for Drainage Loans for — District," to be sent into the secretary, Office of Public Works, Custom-house, Dublin, stating the amounts, and the rate of interest at which loan is proposed to be made.

Persons desirons of proposing, can obtain any further information, by application at the Office of Public Works, between Two and Three occlock, each delice, in the property of the contract of the c

Persons desirous of proposing, can obtain any further information, by application at ti Office of Public Works, between Two and Three o'clock, each day. By order, JOS. C. WALKER, Secretary. Office of Public Works, Custom-house, Dublin, July 2, 1846.

STEAM TO INDIA VIA EGYPT, MALTA, ITALY, ALEXANDRIA, AND THE PENINSULAR PORTS.

ALEXANDRIA, AND THE FERRINGULAR TOTALS.

PASSAGE TO BOMBAY, MADRAS, AND CALCUTTA.

The Peninaular and Oriental Steam Navigation. Company BOOK PASSENGERS for CETLON. MADRAS, and CALCUTTA direct, by steamers leaving Southampton on the 90th, and for Alexandria, en route to Bombay, on the 1st of every month.

A steamer from Southampton leaves the 1st and 90th of every month for Malta, whones are steamers to Maples, Genea, Civeta Vecchia, three times a month. STEAM TO CORUNNA, OPORTO, VIGO, LISBON, CADIZ, AND GIBRALTAR.
A steamer leaves Southampton on the 7th, 17th, and 27th of every nonth.

A steamer leaves Southampton on the 7th, 17th, and 37th of every nonth. Apply at the Peninsular and Oriental Steam Navigation Company's offices, 51, St. Mary Axe, London, where only passages can be secured throughout.

STEAM COAL-WITHOUT SMOKE, as per experiments

made at her Majosty's Deckyard, Woolwich.

CAMERON'S COALBROOK STEAM COAL, AND SWANSEA AND LOUGHOR RAILWAY COMPANY.—(Completely Registered and Incorporated.)

OFFICES—2, MOORGATE-STREET, LONDON.

The directors are now prepared to supply steam ship companies, manufacturers, shipper and others, with the company's steam coal, either at the company's wharf at Swansea, o in London. A statement, showing by comparative trial the superfority of this coal for steam purposes over every other, and a scale of prices, may be had on application at the company's offices here, or at their wharf at Swansea.—March 18, 1846.

CAMERON'S STEAM COAL AND SWANSEA AND LOUGHOR RAILWAY COMPANY.—(Registered).—The FIRST ANNUAL GENERAL MEETING of the proprietors of this corporation will, in pursuance of the Deed of Settlement, be HeLD in the company's offices, No. 2, Moorgate-street, London, on Monday, the 27th July inst., at One o'clock noon precisely.

By order of the board of directors,

2, Moorgate-street, London, July 13, 1846.

GREAT LUXEMBOURG COMPANY.—At a numerous and highly respectable Meeting of the Great Luxembourg Company, held at the Lon Taxern, Bishopsgate-street, this day, the following RESOLUTIONS were carried mimously—viz.:

roprietors.

Proposed by Captain Bague, R.N., seconded by James D. de Vitre, Esq.,
That the cordial thanks of this meeting be given to the chairman and directors,
cal and ability with which they have so successfully conducted the affairs of the con
Proposed by Mr. Alderman Sidney, supported by the Rev. Dr. Worthington,
That the remarks of the chairman be printed for distribution with the report.
July 14, 1846. (Signed) F. F. DE CLOSSMANN, Chairm

EIGHTEENTH REPORT of the LONDON JOINT-STOCK
BANK.—At a GENERAL MEETING of the shareholders, held at the bankinghouse of the company, in Princes-street, Mansion-house, on Thursday, July 16, 1846,
WILLIAM MILLER CHRISTY, Esq., Chairman.

WILLIAM ORMSBY GORE, Esq., M.P., Deputy-Chairman

Sir Felix Booth, Bart.
Sir George Carroll, Alderman
William Miller Christy, Esq.
William Curling, Esq.
Robert Farrand, Esq.
George Holgate Fostor, Esq.
William Ormsby Gore, Esq. M.P.
Sir Richard Jenkins, G.C.B.
Archibald Hastle, Esq., M.P.

ross.
William J. Lancaster, Esq.
John C. Lochnor, Esq.
Sir John M.Tacgart, Hart., M.P.
William Mitcalfe, Esq.
Ambrose Moore, Esq.
John Tinothy Oxley, Esq.
George Scholefield, Esq.
William Shadbolt, Esq.
Thomas Stocks, Esq.

s, G.C.B. William Shadbolt, Esq.
isq., M.P. Thomas Stooks, Esq.
The Manager—George Pollard, Esq.
ss—Messrs. Tilson, Squance, Clarke, and Morice

Solicitoss—Mesers. Tilson, Squance, Clarke, and Morice.

The following report was presented:—
The directors have great pleasure in presenting to the shareholders the half-yearly statement of the affairs of the bank.

It will be seen by the annexed accounts, that the net profit, after providing for the current expenses, proportion of building, bad debts, and rebate of interest on bills not yet due, amounts to 31,1324. 3s. 7d.

This result enables the directors to declare the usual dividend for the half-year, at the rate of 6 per cent. per annum, free from incoms-tax, and to carry a surplus profit of 13,1324. 3s. 7d. to the credit of the guarantee find, which, with the addition of interest which has accrued thereon, will increase that fund to £110,873 15s. 2d.

The directors think it desirable to call the attention of the shareholders to the fact, that in the half-year's accounts now presented, the grees amount of the profits of the Western Branch was included in the accounts.

The dividend will be payable on and after Friday, the 25th July inst.

The preceding report having been read to the meeting by the secretary, a dividend for the half-year ending the 30th June last, after the rate of 6 per cent. per annum, was declared by the chairman.

Resolved unanimously,—That the report now read be received, and that it be printed for the use of the shareholders.

declared by the chairman.

Resolved unanimously,—That the report now read be received, and that it be printed for the use of the sharsholders.

Resolved unanimously,—That the thanks of this meeting be given to the chairman and directors, for their excellent conduct during the last six months.

Resolved unanimously,—That the best thanks of this meeting be also given to our excellent managor, Mr. Pollard.

(Signed)

Extracted from the minutes.

WILLIAM MILLER CHRISTY, Chairman.

(Signed) F. HEWETT, Secretary.

AN EXPOSITION OF THE DANGLERS AND DEFICIENCIES OF THE PRESENT SYSTEM OF RAILWAY CONSTRUCTION, with SUGGESTIONS FOR ITS IMPROVEMENT. By C. H. GREENHOW.

John Weale, 69, High Holtoon.

Models, illustrating the principle, may be seen at No. 3, Lothbury.

Published by Order of the Lords Commissioners of Her Majesty's Treasury.

This day is published, in 1 thick vol., royal 8vo., with Woodcuts, and nine large Plates (seven coloured), price 21s., cloth, lettered.

MEMOIRS OF THE GEOLOGICAL SURVEY or GREAT IBRITAIN, and of the MUSEUM or ECONOMIC GEOLOGY IN LONDON—Vol. I.

Printed for Her Majesty's Stationery Office, and published by Longman, Brown, Green, and Longmans; of whom may be Inad.

REPORT ON CORNWALL, DEVOS, and WEST SOMERSET. By Sir H. T. DE LA BECHE, F.R.S., &c.—14s.

FIGURES AND DESCRIPTIONS OF THE PALEOZOIC FOSSILS in the above of ties. By Professor PHILLIPS.—9s.

REPORT ON LONDONDERRY and PARTS OF TYRONE and FERMANAGH. By
J. E. PORTIOCE, F.E.S.—24s. And THE GEOLOGICAL MAPS AND SECTIONS—Engraved from the Ordna England and Wales. The Maps and Horizontal Sections, geologically of the superintendence of Sir Henry De la Beche.

NOTICE TO INVENTORS.—OFFICE FOR PATENTS
OF INVENTIONS AND REGISTRATIONS OF DESIGNS,
14, LINVOLN'S INN-FIELDS, LONDON.
The printed INSTRUCTIONS (gratia), and overy information upon the subject of PROTECTION FOR INVENTIONS, either by Letters Patent or the Designs A.S., may be had by applying personally, or by letter (pre-paid), to Mr. Alexander Prince, at the OFFICE, 14, LINCOLN'S INN-FIELDS.

JAMES LANE, MINING SHAREBROKER,

WILLIAM TRENERY, DEALER IN RAILWAY AND MINING SHARES.—ESTABLISHED TEN YEARS.

OFFICES, No. 50, THREADNEEDLE-STREET, LONDON.

MINING OFFICES, 50, Threadneedle-street, London, July 14, 1846.—I hereby give Notice, that Mr. THOMAS LUTTLE (lately in my service) as a clerk) has been DISCHARGED by me from my suaploy. WILLIAM TRENERY

PAUL RABEY, Jun., AND CO., MINE AND RAILWAY SHARE AGENTS.
OFFICE-No. 12, COPTHALL-COURT, LONDON.

MESSRS. LINTHORNE, JONES, AND CO., MINING.
Town agents for the HEWAS CONSOLS TIN AND COPPER MINE, CORNWALL.

. Every information will be given to parties desirous of joining this adventure.

48, THREADNEEDLE-STREET, LONDON.

TOHN PHILLIPS, MINE SURVEYOR AND REPORTER, POOL, ILLOGAN, CORNWALL,

PFFERS his SERVICES, by the promptest attention, to any business of INSPECTION and ADVICE.—Torms, One Guinea per day, besides consequent expenses.

WILLIAM FOX AND SON, No. 53, CASTLE-STREET, LIVERPOOL, have always on SALE PIG-IRON, RAILWAY BARS, CHAIRS, and IRON of every description.—TIN PLATES, WIRE, &c.

MINING OFFICES, REMOVED FROM 16, CORNHILL
to 1, THREE KING COURT, LOMBARD-STREET.—Mr. R. TREDINNICK
(of Cornwall), having established PRACTICAL AGENTS and CORRESPONDENTS
in every MINING DISTRICT, whereby he obtains early and accurate information respecting MINES, proffers his services to capitalists and adventurers in the PURCHASE
and DISPOSAL Of SHARES. specting MINES, proners has and DISPOSAL of SHARES.

MINING PROPERTY.—CAPITALISTS who are disposed to invest in cornish and Foreign Mines, will find the present opportunity very favourable for so doing. From large sums having been lately diverted from such investments for railway speculations, standard mines are now selling at prices that will pay the purchaser 30 per cent. per annum for his outlay. There are also other mines that are on the eve of paying dividends, which can be recommended with confidence. Applications to be made to Mr. JAMES HERRON, mining agent, No. 3, Adam's confidence of the c

MINING OFFICES, No. 1, ST. MICHAEL'S-ALLEY,
Messrs. WATSON & CUELL have received instructions to PURCHASE SHARES in
West Caradon, Wost Maria, Wheal Mary Ann, Trewallack, Stray Park, Condurrow, and
Wheal Gill Mines; and have FOR SALE, SHARES in East Fool, Wheal Bucketts, Trelawney, Marke Valley, South Caradon, Holmbush, Devonshire Great Consols, &c.
Mr. WATSON, F.6.S., having RETURNED from a MINING TOUR through the condties of CORNWALL and DEVON, will be happy to give any INFORMATION with regard to the MINES—some of which, at this moment, are paying 18 and 30 per cent. upon
market prices.

VIRTUOUS LADY COPPER MINE:
WHEAL BEDFORD COPPER MINE:
TAVY CONSOLS COPPER MINE:
GREAT WHEAL WILLIAMS COPPER, LEAD, & TIN MINES:
THE BUSLINESS of the ABOVE MINES is CONDUCTED
at No. 5, BUCKINGHAM-PLACE, STONEHOUSE, DEVONSHIRE, Waser all
varticulars may be obtained.
WALTER LOMER, Purser,

STURIAN MINING COMPANY .-- A COPY of the ANNUAL REPORT, by the board of directors, read at the General Meeting of reprietors, held on the 29th of June last, may be HAD, on application, at the OFFIGES of the company.

By order, K. MACKENZIE, Secretary, 9, Austingriars, July 14, 1846.

CONSOLIDATED COPPER MINES OF COBRE ASSO-CIATION.—Notice is hereby given, that the HALF-YEARLY GENERAL MEET-ING of proprietors of this association will be HELD at the office of the company, No. 36, Austinfriars, on Friday, the 24th July inst., at One o'clock precisely.

By order of the court of directors,

26, Austinfriars, July 6, 1846.

WM. LECKIE, Secretary.

26, Austintrars, July 9, 1846.

COPIAPO MINING COMPANY.—Notice is hereby given, that the HALF-YEARLY MEETING of Shareholders of this Company will be held at the Company's Office, 22, Austin Friars, on THURSDAY, the 23d of JULY, inst., at One o'clock precisely. At which Meeting, John Deacon, Esg., and Thomas Richardson, Esg., Directors, and John Labouchers, Esq., Auditor, who go out o' office by rotation, being eligible, offer themselves for re-election.

This Meeting is raide SPECIAL, for the consideration of the present state of the Company's affairs, and certain proposals and statements then to be submitted to them.

By order of the Directors,

22, Austin Friars, July 9, 1846.

WINDING-ENGINE WANTED.—WANTED, a SECOND HAND WINDING-ENGINE, of from 30 to 40-horse power.—Apply, with particulars, to G. S. Ford and Son, Bryndû Colliery, Pyle, Glamorganshire.

22

CONTRACTORS WANTED.—WANTED, by the CLYDE
TRUSTEES, CONTRACTORS for BUILDING about TWO THOUSAND TWO
HUNDRED and Eighty Lineal, Feet of QUAY WALL, &c., in continuation westward of the quay walls on the south side of the harbour of Glasgow, agreeably to the
lines delineated on the Parliamentary plans of the river and harbour.
The detailed plans and specifications of the works, with the forms of tender, &c., will
be seen at the office of Mesers. Walker and Burgess, civil engineers, Great George-street,
Westminster, London; or in the hands of Mr. Bremner, resident engineer of the river
and harbour, on and after the 6th of July next; and scaled tenders, for the execution of
he works, to be lodged at the treasurer's office, 16, Robertson-street, Glasgow, on o'betre the 20th of July next.
foclyde Trustees' Chambers, Glasgow, June 8, 1846.

NOTICE TO THE MANAGERS OF MINING COMPANIES,

SMELTING WORKS, &c.

Mr. MITCHELL (late Mitchell and Field) begs to announce, that ASSAYS and
ANALYSES of all descriptions of ORES, MINERALS, and FURNACE PRODUCTS, are
conducted at his LABORATORY, 23, HAWLEY-ROAD, KENTISH TOWN, to which
direction all communications are to be addressed.

N.B.—Instruction in all branches of assaying and mineral analysis as usual.

STEAM-ENGINES.—From 8 to 20-horse power ENGINES Apply to Mr. CAPPER, ENGINE-MAKER and FOUNDER, BIRMINGHAM. Price £14 per hore

HALEY'S PATENT LIFTING JACK. W. & J. GALLOWAY, ENGINEERS, KNOT MILL IRON-WORKS, MANCHESTER.

The attention of parties who employ LIFTING JACKS, is respectfully requested to the superiority of the above over those hishorto in use. It will lift either at the top or below having a claw, the same as the rack Jack. Its parts are made in the most accurate manner—such working piece being engined. Notwithstanding its superiority, in point of workmanship, and combining utility, safety, durability, and neatness, the cost is not more than that of the rack Jack, or rude manufacture.

Amongst the advantages which it possesses, the following may be enumerated:—

1. It is about half the weight of the ordinary rack jack of equal

2. The handle (working similar to the rack jack) may be is go with the lift on; and although it has neither ratchet whocle or any other mode of securing it, it will not run he's, but remains stationary, and quite safe.

It parts are few, and simple (made entirely of wroughtron, and case-hardened).

No. 1	size	-to lift	g' tone							.66	0	0
, 3	19	to the said									0	0
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33 0	99	92 E	3 99	 		 ** **	***			100	26.0	20.00

TNDIA AND LONDON LIFE ASSURANCE COMPANY rporsied by Act of Padismont, 7 and 8 Vic., cap. 110.

RICHARD HARTLEY ENNEDY, Esq., Chairman GEORGE WILLIAM ANDERSON, Esq., Descriye dear r H. Elphinstone, Bart, M.P. arry G. Gordon, Esq. cederick Jones, Esq. ev. S. Tenison Mosse

APVANTAGES OF THIS LETTUTION.

Assurances effected on all classes of lives, including the lives of persons proceeding to, residing in, India and other parts of the world, of efficers actively employed in Military Raval service, and of persons efficied with boddly or mental infirmities. Endowments granted to widows, and existing or future children. Tables of rates adapted to suit the circumstances and convenience of every class.

olley holders.
Indian rates of premium much lower than in any existing company.
Age of the assured, in every case, admitted in the policy.
Impaired state of health admitted in policies on invalid lives.

EUROPEAN RATES.)	INDIAN RA	ATES.	
Annual Premium for £100. Half Premium Table.				ión		Annual	Premium f	or 1000 rupe	es.		
						Civil 8	ervice.	Military	Service.		
Age	First Seven Remainder Years. of Life.					Age	One Year.	Whole Life.	One Year.	Whole Life.	
20	£	4.			d.	20	Rupees.	Rupees.	Rupees.	Rupecs.	
30 49 50	1	15	10	3	11	6	40	26 32	46	36 42 52	46 55
50	2	14	8	5	8 9	10	50 60	62	90	52 70	93

Prospectuses and every requisite information may be obtained on application at the GEORGE N. WRIGHT, M.A., Manager.

GREAT BRITAIN MUTUAL LIFE ASSURANCE SOCIETY, 14, WATERLOO-PLACE, LONDON. DIRECTORS. LM, Chairman | WM. MORLEY, Esq., Deputy-Chairman

WM. MORLEY, Esq., Deputy-Chair

**The attention of Assumers is particularly directed to the Hulf Credit Rates of Pre
by which means assurances may be effected, and leans for short periods secured w
least possible present outlay, and at a less premium than for short terms only, an
the option of paying up the arrors and interest—thus becoming entitled to partici
the whole of the profit of the institution.

Extract from the Half Credit Rates of Premium. Age 20. Age 30. Age 40. Age 50. Age 60. £0 17 0£1 1 1£1 8 2£2 1 0£3 4 2

Thus £1000 may be assured at the age of 30 by the annual payment of £10 10s. 19d

the first five years. The whole of the profits divided ANNUALLY among the members, after payment of five

The whole of the profits divided anxiety among the multiplians.

An ample guaranteed capital, in addition to the fund continually accumulating from remuins, yelly setficient to afford complete security to the policy-holders.

Members assured to the extent of £1000 entitled (after payment of five annual premiums) to attend and vote at all general meetings, which will have the superintendence on decorted of the funds and affairs of the seciety.

Full particulars are detailed in the prospectus, which, with every requisite information, may be obtained by application to

UNDER THE PATRONAGE OF BOYALTY AND THE AUTHORITY
OF THE FACULTY.

7 EATING'S COUGH LOZENGES.—A remedy for all dis-

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or consultation daily, from nine till two, and from five till eight; and all let stelly replied to, if containing the fee of £1, for advice, &c, —9. Bedford-street re. Lendon.

MINING IN CORNWALL AND DEVON .- No. III.

CARADON CONSOLS.—This mine is situate immediately adjoining West Caradon on the east, Craddock Moor on the norts, Wheal Agar, S. Cleer Consols, and Caradon United on the south, and Wheal Norrison the west. The set extends about 700 fathoms on the course of the lodes east and west, and about 300 fathoms north and south. The mine is held under lease from William Pode, Esq., and Samuel Sargent, Esq., at the dues, there being 17 years to run. Mr. Thomas Katton acts as purser—the practical management of the mine being with Capt. James Clymo. The mine is divided into 256 shares, on which 33l, per share has been paid, and is carried on on the cost-book system—meetings being held on the mine when necessary. The total amount expended is 8448l.—the present average mouthly cost being from 160l. to 170l. The calls during the past six months have been 7l. per 256th share, or 1792l. The distance from the shipping port is 11 miles, being five by railway, and six by canal—the railway passing through the sett. The cost of carriage is about 6s. per tom. An engine is at work of 45-inch cylinder, with 8 feet stroke, working 4 strokes per minute—the quantity of coal consumed monthly being about 16 tons. Six lodes have been discovered, ranging nearly east and west, the ordinary course of the lodes in the district, with an underlay north of about 26 test in a fathom. The lodes are composed principally of peach and fluor, with occasional stones of grey and yellow copper ore, yielding a high produce. Two shafts have been sunk, each being to the depth of about 50 fathoms: the 15 fathom level 37 fathoms. There are 40 men employed—36 underground at tutwork, and 4 at surface; the average wages of whom may be taken at 3l. per month. The country is in granite, and an adit has been driven 30 fathoms—240 fathoms in a northrage wages of whom may be taken at 3*L* per month. The country is in granite, and an adit has been driven 320 fathoms—240 fathoms in a northerly direction, and 80 fathoms east and west, on the run of the lodes: three courses have been seen running nearly north and south.

granife, and an adit has been driven \$20 fathoms—240 fathoms in a northerly direction, and 80 fathoms east and west, on the run of the lodes: three cross-courses have been seen running nearly north and south.

CARADON UNITED MINES.—In last week's Journal we gave some particulars of this sett; but not being in possession of full information at the moment, we now resume the subject—having since acquired the necessary data from inquiries instituted on the ground, and communications received from Capt. Penrose, the managing agent:—These setts are from 600 to 700 fms. east and west, and in the Penhale grant, from 400 to 500 fms. north and south. Caradon Consols joins to the north-east; Wheal Norris to the north; Wheal St. Cleer to the north-west; and St. Cleer Consols to the east. In the Torr, six lodes have been discovered; the north lode underlays north 16 in. in a fathom, and we expect will be in our shaft 50 fms. deep, and have about 7 fms. to drive to the 30 to cut it; it is composed of gossan, prian, flookan, spar, &c. The shaft is down nearly 29 fms. in hard granite rock, with a number of small branches, composed of portions of copper ore, mundie, and peach, dropping into the lode. The next lode is 7 fms. south of this, underlays north 1½ in 6, about 3 ft. wide, composed of gossan, spar, peach, &c. The next is 9 fms. south of the latter, and is 5 ft. wide, nearly perpendicular, of a kindly character. There is another lode 10 fms. south of this, 1 ft. 6 in. wide, underlays north—this is in a white elvan course; about 10 fms. south of this latter, is a lode 2 ft. wide, underlying north ½ in 6, composed of peach, spar, and capel. The next is about 20 fms. further south, which is small. The course of these lodes is nearly east and west. In the Penhale, a large caunter lode has been cut, bearing about 30° to the south of east, composed of spar, gossan, flookan, and prian; it appears there is another caunter 16 fms. south of the latter. The adit has been driven 213 fms. nearly due north, which has intersected 18 lo landers, one smith, and one owner's account man.

CARADON WHEAL HOOPER .- This sett is bounded on the north, east and west by South Caradon Mine, and on the south by Caradon Copper Mine. Its extent from west to east, on the course of the lodes, is about 300 fms., and it is conducted on the cost-book system, the meetings being 300 fms., and it is conducted on the cost-book system, the meetings being held every two months at Lanneeston, Callington, and on the mine, alternately; John Turner Pearce, Esq., of the former place, is the purser, and Capt. John Seymour the agent. The mine is divided into 256 shares, on which 14th has been paid, 3th per share having been called in the last four months; the average monthly cost is about 14th; it is distant five miles from the canal, a communication being made by railway—the carriage of the ores costing 4s. 6d., and timber 6s. 6d. per ton. There is one engine erected on the mine, with 29-in. cylinder, 7f. 4 in. stroke, consuming about 18 tons of coal per month, at 23s. 3d. per ton. The country is a soft blue killas, in which 10 lodes have been discovered, the direction generally south of east. and north of west, consisting of peach, quartz, gossan, prian, felkillas, in which 10 lodes have been discovered, the direction generally south of east, and north of west, consisting of peach, quartz, gossan, prian, felspar, capel, carbonates of iron and of lime, can, and some fine spots of copper ore. Their underlay is as follows:—Daw's 2 ft. in a fm., Dingle's 2½ it., Carpenter's 2½ ft., Martin's 2 ft.. Sawpit 1 ft., Seymour's 6 in., Taple's 1ft., Clymo's 1 ft., Geakes's 1½ ft., and Hooper's 1 ft. There are about 15 men at present employed, at wages averaging 3l. per month; no tribute pitches have yet been set, nor has there been any return at present.

[We shall next week commence our description of the mines in the distrand add those of Lamheroce and Wheal Benny, in the Callington and Wh. M

MINES IN RUSSIA.—A letter from St. Petersburgh, of 27th June, says;—The produce of the gold mines in Russia is yearly increasing. In 1841 the quantity extracted from those mines was 961 pouds (9610 kilogrammes), amounting in value to 39,000,200 fr.; in 1842, 9810 kilog., value 53,200,000 fr.; in 1843, 12,950 kilog., value 75,2800,000 fr.; in 1843, 13,410 kilog., value 75,600,000 fr.; in 1845, 13,711 kilog., value 79,000,000 fr. in the five years a total weight of 59,490 kilog., value 79,000,000 fr. Up to the present time almost all the produce of the gold mines of Russia has been exported to England; but if the quantity continues to increase progressively, or if it even no longer exceeds the quantity obtained in 1845, England will cease to receive it, at least the greater part, and then it will be necessary for us to seek othermarkets for our gold, which it may perhaps be rather difficult to find. But let us hope that the new system of commercial policy which the government has adopted, and particularly the reduction of the import duties, which has been the first consequence of it, will increase our consumption of forcign merchandise, in the purchase of which our gold may find an advantageous employment. However this may be, the workings of the gold mines of Russia must necessarily cause sooner or later a great revolution in the commerces and industry, not only of Russia, but on all points of the globe.

Suzer Ober from Callado.—The Previous has arrived in the West India. roduce of the gold mines in Russia is yearly increasing. In 1841 the quantity

SILVER ORE FROM CALLAO.—The Penguin has arrived in the West India Docks, with a cargo of 500 tong of guano, and about 8 tons of silver ore.

MEXICAN SILVER MINES. The Indians have discovered that their silver mines have made their condition rather worse than better. They determine, therefore, to keep secret their knowledge of some rich veins of silver not yet explored by Europeans. Traditions of these mines have been handed down, it is supposed, from father to son, through centuries. Even brandy, which will explored by Europeans. Traditions of these mines have been handed down, it is supposed, from father to son, through centuries. Even brandy, which will open the Indian's mouth on any other subject, fails in this case. A few years ago, there lived, in the large village of Huancayo, the brothers Don Jose and Don Pedro Irriarte, who were among the wealthiest mine proprietors of Pera. As they had reason to suspect the existence of rich unexplored veins among the neighbouring hills, they sent out a young man in their employ to examine the country, and use the likeliest means of discovery. Accordingly, he repaired to a village where he found lodgings in the hut of an Indian shepherd, from whom he concealed his object. In the course of a few months, an attachment had grown up between the young adventurer and the shepherd's daughter; and, at last, the young man succeeded so far in his object as to win from the girl a promise that she would point out to him the mouth of a rich silver mine. She directed him to follow her, at some distance, on a certain day, when she should go out to tend her flock on the hills; and to notice where she dropped her "manta" (a woollen shaw!). There, she told him, he would find the entrance of the mine. The young agent obeyed her directions; and after some digging found his way into a moderately deep shaft, which led to a rich vein of silver. He was busily engaged in breaking off some specimens of the ore, when he was surprised by the old shepherd, who congratulated him on the discovery, and offered assistance. After working together for some hours, they rested; and the Indian offered to the young man a cup of chicha, which he drank. Soon after drinking, he felt unwell; and, as a suspicion of being poisoned flashed upon his mind, he instantly packed the specimens of ore in his wallet, hastened back to the village, and thence rode to Huancayo. He had only time to explain his adventure to his employers, and point out, as well as he could, the locality of the mine; for he died in the night. Anot

Mining Correspondence.

RNGLISH MINES.

BARRISTOWN.—The lode in the 18 fm. level and west is very large—the north part, which we are at present driving on, will produce about 2 tons per fm.; the lode in the eastern end is at present small, having just passed through a slide, scarcely producing 1 ton per fm. We have a lode in the 24 fm. level, west of engine-shaft, about 2 ft. wide, perpendicular, mixed with lead, producing some saving work: the lode in the adit end east is producing some good stones of ore in the goosan. The ends will be at work in Nangle's shaft to-day; the pitches are looking very well. We shall have a cargo ready for shipment in about a fortnight, of 40 tons. Our operations at Close Mines are confined to bringing in an open east, to form a level on each side of the valley, opposite the mine.—T. ANGOYE: July 11.

BELEGORD.—At Wheel Marquis there has been no look taken down at the

epposite the mine.—T. Angove: July 11.

BEDFORD.—At Wheal Marquis, there has been no lode taken down at the 80 fm. level east. The lode in the 70 fm. level east is 2 ft. wide; saving work; and in the stopes, in the bottom of this level, the lode is worth 18t, per fm. The lode in the 58 fm. level east continues poor. At Ding Bong, the lode in the 24 fm. level west is 2½ ft. wide, composed of spar, peach, and tin. At Wheal Tavistock, the lode in the 47 fm. level, east and west, is without alteration. In the 35 fm. level east the lode is 15 in. wide, mundic, spar, and ore; and in this level west the lode is 2 ft. wide, producing saving work. The south engine-shaft is 15 fms. 2 ft. under the surface, the lode is upwards of 2 ft. wide, principally iron, gossan, and spar, with good stones of ore in places. There is nothing new in respect of the adit level.—James Phillips: July 14.

CALLINGTON.—In the 112 fm. level, driving north from Johnson's engine.

cipally 1001, gossan, and spar, with good stones of ore in places. There is nothing new in respect of the adit level.—JAMAE PHILLIPS; July 14.

CALLINGTON.—In the 112 fm. level, driving north from Johnson's engine-shaft, the lode has not been taken down; in the south end the lode is producing silver-lead ores. In the 100 fm. level, driving south, the lode has a repering tribute ground. In the 90 fm. level, driving north, the north end we are opening tribute ground. In the 90 fm. level, driving north, the lode has not been taken down. In the 80 fm. level the lode is producing silver-lead ores. At the north mine, the ground is rather hard for cross-cutting in the 100 fm. level. In the 90 fm. level south the lode has not been taken down; the wall of the same has a more promising appearance. In the 80 fm. level we are opening tribute ground.—J. T. PHILLIPS; July 13.

EAST TAMAR CONSOLS.—At Whitsun, in the 46 fm. level, north of ditto, the lode is 2 ft. wide, good work. In the 86 fm. level, north of ditto, the lode is 2 ft. wide, good work. In the 86 fm. level, north of ditto, the lode is 2 ft. wide, producing good stones of silver-lead ore. Our pitches are looking well; the men are getting wages, so that there is every appearance of increasing our sampling. We are getting on in our dressing department as fast as possible.—B. Robins; July 13.

GUNNIS LAKE.—At Chilsworthy, Bailey's engine-shaft is 9 fms. 4 ft, 6 in.

GUNNIS LAKE.—At Chilsworthy, Bailey's engine-shaft is 9 fms. 4 ft. 6 in. under the adit level; there has been no lode taken down. In the 10 fm. level, east and west of western shaft, there is no important alteration.—WILLIAM RICHARDS: July 14.

HAWKMOOR.—I beg to inform you, that the lode in the 15 fm. level, cast of Hitchins's shaft, continues about 2 ft. wide, composed of capel and spar, producing stones of ore occasionally.—P. RICHARDS: July 14.

of Hitchins's shart, continues about 2 ft. wide, composed of capel and spar, producing stones of ore occasionally.—P. Richards: July 14.

HOLMBUSH.—The ground in Hitchins's shaft, sinking below the 120 fm. level, is much the same as last reported on, and the great engine keeping the water in fork, with less than six strokes per minute. The ground in the 120 fm. level, west of Hitchins's shaft, cutting through the great cross-course, is favourable for driving. In the 110 fm. level north the lead lode is 4 ft. wide, composed of spar, prian, and stones of lead; the ground is not so favourable for driving. In the 100 fm. level, west of Hitchins's shaft (on the north part), the lode is 12 in. wide, producing stones of ore; in the winze, sin king behind this end, the lode is 20 in. wide, and worth 15t. per fm.; in the 100 fm. level, west of the lead lode (on the south part), the lode is 16 in. wide, composed of capel and spots of ore; at this level, driving south, the lead lode is 3 ft. wide, composed of spar, prian, and stones of lead; the pare of tributers in the back of this level are making moderate wages; in the same level, driving north, the lead lode is 2 ft. wide, composed of spar, flookan, and stones of lead. In the 90 fm. level, west of Hitchins's shaft (on the north part), the lode is 12 in. wide, composed of spar, mundic, and stones of ore; the rise against Bray's shaft is still hard. In the 62 fm. level south the lead lode is 2 ft. wide, composed of spar, flookan, and stones of lead. We have a pitch in the bottom of the 100 fm. level, between the great cross-course and the lead lode, that is set at 2s. 9d. in the 11 tribute, which is turning out well.—W. Lean. July 14.

LAMHEROOE WHEAL MARIA.—I beg leave to lay before you a brief reconstitution of the several weekings in the span and the result of our investigation of the several weekings in the party.

posed of spar, munnel, and such as the lead lode is 2 ft. wide, composed of spar, flookan, and spate of lead. We have a pitch in the bottom of the 100 fm. level, between the great cross-course and the lead lode, that is set at 2s. 9d. in the 1t tribute, which is turning out well,—W. Lean. July 14.

LAMHEROOE WHEAL MARIA.—I beg leave to lay before you a brief recapitulation of the several workings in the mime, and the result of our inquiries, since the management has been intrusted to my hands, which will, I trust, prove to you that your interests have been carefully protected and promoted as far as les in my power. A strict adherence to economy has been observed, consistent with the nature of the several points of working, and the time occupied in pressing forward the completion of the enection of the engine, and putting her to work. You are already in possession of full information as to the number and nature of the lodes discovered by containing, but, without a desire to be prolix in this report, I will, in a few words, describe their position and prospects. Eleven lodes have been seen at surface, the one extreme south, being the same as that now being worked upon in Wheal Benny sett, which is on the south, or Cornwall, side of the River Tamar; this lode passes through the south-west portion of the sett, and has a north underlay, of about 3 ft. in a fm. The next two lodes also pass acroes the Tamar, from the Benny sett, having about the same underlay. The next lode, proceeding north, has a south underlay, as also the lode immediately north, while the others have a north underlay, as also the lode immediately north, while the others have a north underlay, as also the lode immediately north, while the others have a north underlay. As regards the direction of the lode, they vary from 12° to 20° south of east, and north of west. Their relative distances, proceeding north in from the Tamar, are about as follows:—K lode (the extreme south, the Wheal Benny lode crossing the Tamar) is at a certain point, we will have

PENNANT.—Having been requested to accompany a gentleman practically acquainted with mining, and who was desirous of inspecting the Pennant Mines. I beg to mention, that I have again carefully examined the various lodes in the presence of that gentleman, as well as of two of the directors, and the captain of the mines, and am happy to say that the more I survey the mines, the more satisfied and confident I feel of the ultimate success, and the correctness of my previous reports. The works are going on very satisfactorily, and advancing rapidly towards cutting the first lode.—Thomas Kitto, Jun. July 11.

pidly towards cutting the first lode.—Thomas Kitlo, Jun.: July 11.

STRAY PARK AND CAMBORNE VEAN.—In the rise, above the 70 fm. level, the lode is 15 in. wide, yielding 3 tans of ore per fm. In the 70 fm. level west the lode is 1 ft. wide, 2 tons per fm. In the 80 fm. level west the lode is 4 ft. wide, 4 tons per fm.; in the winze, under the 80 fm. level, the lode is 3 ft. wide, 5 tons per fm.; in the winze, under ditto, the lode is 3 ft. wide, 5 tons per fm.; in the winze, under ditto, the lode is 3 ft. wide, 5 tons per fm.; in the winze, under ditto, the lode is 2 ft. wide, 2 tons per fm.; in the winze, under ditto, the lode is 2 ft. wide, 2 tons per fm. In the winze, under ditto, the lode is 2 ft. wide, 2 tons per fm. In the life fm. level west the lode is 2 ft.

wide, 3 tons per fm. In the I20 fm. level west the lode is 1 ft. wide, containing stones of ore. In the I50 fm. level west the lode is 1 ft. wide, 1½ tons per fm.; in the I50 fm. level east the lode is 2 ft. wide, 3 tons per fm.; in the rise, above ditto, the lode is 2 ft. wide, 1 ten per fm.; the lede in the bottoms of the I50 fm. level continues quite as good as ever—it is 4 ft. wide, yielding 10 tons of good ore per fm. The other tribute ground is looking, on the whole, very well.—R. EUSTICE; E. RALPH: July 13.—[We have remarked, when giving insertion to the monthly reports of Stray Park and Camborne Vean Mines, on the clear and satisfactory manner in which they have been furnished, to the London shareholders; and it is with feelings of pleasure we learn, that the adventurers here have expressed their highest gratification and satisfaction towards Mr. Vawdrey, the purser, and the managing agents, for the perspicitly displayed upon those occasious; and, in making these observations, we have the concurrence and desire of the London shareholders generally.]

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wards Mr. Vawdrey, the pursor, and the managing agents, for the perspicuity displayed upon those occasions; and, in making these observations, we have the concurrence and deaire of the London sharcholders generally.]

SILVER VALLEY.—The engine-shaft will be sunk to a 40 fan level in the course of the week, and the sumpmen will commence cross-catting the lode at that depth on Monday next, the 20th inst. The lode at the 30 fm. level east is small and unproductive; the lode in the western end is 2½ ft. wide, consisting of quartz, blende, mundic, and copper, with good stones of tin; in the wize, sinking below this level, the lode is 3ft. wide, containing a little tin, with stones of yellew copper ore, of good quality. The lode in the 20 fm. level west is much improved—it is about 3 ft., spotted with tin throughout; as this end is driven several fms. beyond the 30, and as the laminated structure of the lode dips easterly, we are evidently approaching a new shoot of orey ground. I shall be glad to find, that if the tim is not more concentrated in this part of the mrine, it will not be found so mixed up with other metalliferous ingredients of a similar specific gravity, the separation of which is accomplished with difficulty; the stopes, in the back of this level, are opening favourably—but the pitches, on the whole, are producing tinstuff of an inferior quality. At the silver mine, the lode in the back (rise) of the 40 fm. level is 2 ft. wide, consisting of carbonate of iron and mundue in flookan, with spots of lead. I regret that the stopes, in the 20 fm. level, have produced only a few stones of silver ores, and the lode is become poor. At the 10 fm. level west the lode is 1½ ft. wide, showing traces of silver, with other promising indications. At Wheat Sisters, the men are still engaged in securing the adit level; this level has been driven upwards of 30 fms. further east than was represented to us; the lode in every part we have seen has a very promising indications. At Wheat Sisters, the men are still engaged in

Coarse ore, 54; Good Fortane, 84—total, 216 tons.—W. Synows: July 11.

UNITED HILLS.—In the 90, east of Williams's shaft, the lode is 8 ft. wide, worth 20l. per fm.; in the 90, west of ditto, the lode is 2½ ft. wide, worth 22 per fm.; in the 80, east of ditto, the lode is 4ft. wide, worth 12 per fm.; in the 80, west of cross-cut north, we are driving to cut the north lode. In the 70, west of James's shaft, the lode is 2 ft. wide, poor; in the 70, east of eastern shaft, the lode is 18 in. wide, worth 10l. per fm.; in the 60, west of Harper's winze, the lode is 18 in. wide, worth 10l. per fm.; in the 60, west of Harper's winze, the lode is 3½ ft. wide, worth 10l. per fm.; in the 50 per so-cut south the ground is a little harder than last reported. At Wheal Sparrow and Wheal Charles, in the 50, east of Gibson's shaft, the lode is 2 ft. wide, north 2l. per, fathom; in the 40, west of Richards's shaft, the lode is 2½ ft. wide, worth 3l. per fm. In the 30, west of Richards's shaft, the lode is 18 in. wide, worth 10l. per fm.—Thomas Thevenks; Robert Williams: July 10.

WEST WHEAL JEWEL.—In the 115 fm. level, east on Wheal Jewel.

of Richards's, the lode is 18 in. wide, worth 101. per fm.—Thomas Thevenen; Robert Williams: July 10.

WEST WHEAL JEWEL.—In the 115 fm. level, east on Wheal Jewel, the lode is 16 in. wide, producing some ore. In the 100, west of ditto, on the same lode, the ground is hard for driving—lode 1 ft. wide, not looking so well as when last reported. The winze in the bottom of the 85, east of Hodge's cross-course, on the same lode, is holed to the 100 fm. level in the past week; the men have commenced driving east on the 100 fm. level and 85 fm. level, on the same lode; in the 85, west of ditto, on the same, the lode is 2½ ft. wide, worth 81. per fm.—ground mere favourable for driving. In the 12 fm. level, east on Wheal Jewel lode, the lode is not taken down in the past week; in the 12 fm. level, east of quarry shaft, on Tolcarne tin lode, the lode is 18 in. wide, worth 81. per fm.; in the 12 fm. level, west of ditto, on the same lode, the lode is 2 ft. wide, worth 82. per fm.; in the 12 fm. level, west of the many other part of the mine since our last report.—R. Jouns: July 13.

WHEAL AGNES.—The men stoping are getting down near the water, and I thought it best to suspend stoping any further until the adit is in to intersect the lode, which I expect will drain off the water. I have put the men to open on the lode where we cut it 40 fms. further north—it appears to improve; the lode is 2 ft. wide, good work. The men in the adit have driven 14 fms.; I expect there is about 3 fms. further to drive to cut the lode, according to the underlay I have seen.—B. Rouss.

WHEAL CONCORD.—You will have been informed, by a letter from Walter.

I expect there is about 3 fms. further to drive to cut the lode, according to the underlay I have seen.—B. ROBINS.

WHEAL CONCORD.—You will have been informed, by a letter from Walter Weekes, Esq., of a great improvement in the mine, which is of no little consequence. I went there yesterday, and found that on driving east on the lode, at the 10 im. level, they came in to a small branch of lead, which continued to increase in size, and is now full 2 ft. wide, and still increasing in size, as the miners are not vet come to the south wall of the lode. The whole of the lode as far as it has been seen, is saving work; but, by the side of the north wall the lead is very pure, and is taken, up instones, weighing from 1 cwt. to 2 cwts. in a stone. The lode also appears to be increasing in size, as it goes down, which of course is a very favourable appearance. I could have sent you up a stone of lead, yesterday, nearly 2 cwts.; but am waiting to see if I cannot get a larger one by Monday—viz: the stone to be in London on that day. This discovery is about 6 fms. east of the cross-course, in virgin ground—the former adventurers never having opened this part of the sett. About 10 fms. further east than this discovery, an air shaft is now sinking, to take the lode at the 10 fm. level, and I have no doubt, but it will go down on a portion of the same bunch of lead. We shall then be able t raise lead in great abundance, and bring it up this new shaft at a trifling expense. I hope this air shaft will be down to the lode in about a fortnight. It is impossible to say at present what is the value of the lode at the present level, but I should calculate from 50t. to 70t. a fm. No such discovery has been made on this mine since the old adventurers cut into the bunch on the west of the cross-course, from which they sold 10,000t. of ores.—July 16.

WHEAL MEXICO.—I have, in conformity with your request, examined the

WHEAL MEXICO.—I have, in conformity with your request, examined the silver lode at Wheal Mexico, and paid particular attention to the nature of the cross-course at the 20 fm. level—the effect it has had on the lode, &c. It will not, I presume, be necessary for me to enter into particulars relative to the composition of the lode at the different levels, either at a great distance from, or contiguous to, the cross-courses; but, rather, to make a few remarks on the point to which you have called my attention—viz., the non-discovery of the lode at the 20, west of the western cross-course. In the first place, the small and very irregular vein on which the level is extended west, at the 20, is not Wheal Mexico lode, but merely a branch split from it, and which will be found to have dwindled to a mere thread, both horizontally and diagonally; indeed, for the last 28 fms. driving, previously to intersecting the cross-course, there is not the least appearance of a lode. The main lode may be seen in the shaft, 11 fms. south of the small vein; this lode, at the deep adit, is hove north about 5½ fms., and it is highly probable that the cross-course has had a similar effect on it at the 20 fm. level. Should the lode and small vein, therefore, be found to run parallel (which should be ascertained at once by dialling), the distance to drive south on the cross-course, to discover the former, would be about 5½ fms. only. The winze in the deep adit is being sunk on the course of the main lode, where there are favourable indications to the production of silver, but the water will soon retard, if not compel you to abanden, the operations here; and the cheapest, and most expeditious, way of proving the lode, is to drive south on the cross-course at the 20, where I have not the least doubt but that you will find silver.—J. Prance: Callington, July 2.

We have commenced driving south on the cross-course, which we find, at present, composed of flookan, interspersed with mundic—the killas being light blue. Some of the lode in the winze has been saved, which it is our intention to assay for silver. We h ue at wheat mexico, and paid particular attention to the nature of the urse at the 20 fm. level—the effect it has had on the lode, &c. It will

WHEAL WALTER.—Having been desired to give an opinion on this sett, I beg to hand you the following report:—"The sett which is nearly a mile square, is situate in the parishes of Lamerton, Milton Abbot, and South Sydenham, in the county of Devon, held on lease for a term of 21 years, at 1-15th dues or dish. The lodes, which have so far been discovered, are named alphabetically, so as to distinguish the different lodes. A lode was first discovered in a bottom; and as it was rather an inconvenient place to make trial of it, they are now driving a short cross-cut to intersect it in the hill, which they will no doubt do in a few days, when more will be seen of it. About 20 fins, north of this lode, is B lode, which is from 12 to 14 ft. wide, composed of gossan, sugary spar, and flookan, and is a fine bold kindly lode, in driving on the course of this lode to hill, they will get some 8 or 10 ft. deep, where it is very probable they may get some bunches of lead, as some has already been seen in the flookan, and in depth, I have no doubt, they will get large deposits of lead. About 20 fms, further north of this, is C lode, which from appearance and size (it being upwards of 30 fms. wide); I have never seen anything to equal it as a lead lode, it being composed of gossan, sugary spar, flookan, &c., and also in such congenial ground for lead; it leaves no doubt in my mind, but there is an immense deposit of lead in depth; there are other lodes in the valley—viz.: D and k, which of course adds to the value of the sett; but the B and C lodes alone, are quite enough to warrant any outlay necessary for prosecuting the mine to a very considerable extent, and I really believe that a vast profit may be realised therefrom.—John Williams: July 9.

FOREIGN MINES.

FOREIGN MINES.

IMPERIAL BRAZILIAN MINES .- Gold workings from 24th April to

IMPERIAL BRAZILIAN MINES.—Gold workings from 24th April to 2d May, 14 lbs. 8 oz. 16 dwt.

ST. JOHN DEL REY MINES.—Morro Velho, May 8.—Produce for April, 14,242 oits.; plus from Cata Branca, 203 oits. (old washings up)—14,445 oits., equal to 5265 oits. per ton. The 14,242 oits. were from 2704 tons of ore equal to 5265 oits. per ton. There were rejected during the month 408 tons of inferior ores. This result quite meets my ideas of what picked ores ought to yield; indeed, taking into consideration our lew estimate of the Gamba ores of 3:12 oits. per ton (and 3:25 tons were stamped), the yielding per ton on the whole quantity stamped has surpassed what experience would have led me to anticipate; for, in 1843, the Gamba ores yielded about 5½ oits, per ton, and, consequently, they tended to raise the average standard, whereas they now have the contrary tendency; the present high standard is assignable to the United Mines, from which 1545 tons have been stamped, and they have yielded 5:805 oits, per ton; and yet you will observe, by the mine tracinga, that at least as many square fithous along the length of the United Mines have been taken out westward as eastward—that is, the mine could not have been worked more fairly over. But, undoubtedly, in proportion, more cubic contents of known good ore have come from the gut and bunch, because the lode there is wider than from the western part of the mine, where the lode is narrower and poorer. Still, as I have anid above, the whole stoping area of the lode has been worked down in fair proportion, as the tracing of the United Mines shows. Capt. Treloar estimates, that 600 tons of ore have been extracted from the gut, which, after all, is only about two-fifths of the whole quantity supplied by the United Mines; and we never, in the separate stamping of 1843, made the best ores of the United Mines yield more than 61 oits, per ton—so that the \(\frac{1}{10}\) for the whole standard being raised to 5:8 oits, per ton, but it is likely that the Gamba ores deserve a little more c

beyond our current expenditure of this article; but it falls very heavily on one month's cost, and I feel obliged to let the thing run its course, under penalty of destroying the supplies which it has taken years to organise.

WHEAL BERNY MINING COMPANY.—A meeting of the adventurers was held at Goulding's Hotel, Callington, on Saturday, the lith inst., when the accounts were submitted and passed.—A report from Capt. Thomas Yenahuma was also read, which was in effect, that a water-wheel can be erected of 50 ft. diameter, including cost of wheel pit, &c., at a cost not exceeding 2204. Forty-four fathoms had been driven on the cross-course south, but the lode had not been intersected—not underlaying so fast as was contemplated. This lode is distinct from the two lodes already cut, and others discovered in the sett. It is, however, expected that it will be seen in driving another 6 fms. The present end is 40 fms. from surface—so that there will be a considerable extent of backs; 16 fms. had been driven on the Benny lode, the average size of which was 2 ft., composed of capel, mundic, and ore, with a kindly appearance; the whole of the sett had not been proved by costening—there remaining 400 fms. of unexplored ground.—A discussion ensued as to a proposition which was submitted, of disposing of the entirety of the mine, or a certain number of shares, so as to give the majority to the incoming adventurers, when it was resolved—That the price be fixed at 104 per share, or 25604, for the mine.—A further call was postponed, and instructions given to Capt. Penaluna to proceed with certain works; it being understood that the clearing up of the old engine-shaft, which is said to be 15 fms., should be deferred until some measures were taken for obtaining water-power, or making arrangements with other parties.—The meeting was fally attended.—Some remarks in another column, in a report on the mine, will be found to contain some details as to the mine itself and the nature of the operations.

WHEAL NORMS MINING COMPANY.—At a m

wheal Holwell—This a sett situate in the parish of Stoke Climsland, fornwall, about a mile north-west of Lamherooe Wheal Maria, lately opened, in which five lodes have already been discovered, which give great promise of making abundance of ore in depth; they consist of fine gossan, prian, soft spar, and mundic, the strata is of the most kindly description, and, in general, the appearances are considered superior to any discovery made westward of Wheal Maria. The mine is divided into 2048 shares, deposit 80s. per share, will be worked on the cost-book system, and a finance committee will be chosen from among the shareholders at their first meeting, whose services will be gratuitous. worked on the cost-book system, and a finance committee will be chosen from among the shareholders at their first meeting, whose services will be gratuitous. Prince Edward Mine.—This is also a new sett, situate on Tremollet Down, in the same parish, about a mile west of Wheal Holwell, and extending 1036 fins. from north to south, and 670 fins. from east to west; several lodes are known to exist, some of which have been partially opened by costeaning, and one large gossan lode is of much promise; these lodes generally do not run parallel, but at different angles, and thus in different parts of the sett intersect each other—a good feature; as at those intersections large deposits of ore are generally found. The mine is also divided into 2048 shares, and worked on the cost-book system, with a managing committee similar to the above. Mr. Croffs, of 4, King-street, Cheapside, is the secretary, and full particulars will be found in our advertising columns.

CHATHAM NICKEL AND COBALT MINE.—Nickel, from its great scarcity, and the place it has taken in our manufactures in the formation of an alloy, as a substitute for silver, besides being applied to various other purposes in the metallic arts, has become a valuable and important metal. Its produce, as a commercial metal, has hitherto been confined to some valuable mines in Saxony, which (now at a depth of 450 th,) are said to be declining in produce, whilst the cost of production has been greatly increased. At Chatham, in the state of Connecticut, there is a mine of cobalt and nickel, first discovered and worked by some German settlers, for cobalt; but finding that nickel greatly prepon-

derasted—a motel whose properties were then unknown, and for which there was no marched—the mile was abandened. It afterwards became the property of Governes Seth Hunt, who, after about three years' exploration, during which period he obtained a considerable quantity of cobalt, abandenced it from the assume cause. The 477tal is which the twoins are situated in a soft mice slate of Saxony, being man hindy satters at hose which occurs in the valuablenium of the company of the company

TICKETINGS-SMELTERS' AGENTS.

TICKETINGS—SMELTERS' AGENTS,
TO THE BENTOR OF THE MINIST JOURNAL.

SER,—I observe at the ticketings at Rectruth an encroachment on the rules laid down for the smelters' agents—viz: they are paid 10s, 6d, each to get their dinners out of the room, wherever they please; for some time this rule was observed, but latterly I find several of the samplers dining in the room, and saving the 10s. 6d. These people are extremely well paid; they get from every mine, within seven miles of Redruth, 10s. 6d. each sampling, and 2s. 6d. each parcel weighed off; and from every mine, at a greater distance than seven miles, they receive 21s. each sampling, and 5s. for every parcel weighed. The person appointed by the mines to protect their interest is an invalid, and the duties are attended to by a relative; and I think a brief notice in your valuable Journal will have the effect of calling this gentleman's attention to the subject, and discountenance such conduct in future.

A LOVER OF FAIR PLAX.

Quecu-street, Cheapante, ring 10.

[FROM CORRESPONDENTS.]

[FROM CORRESPONDENTS.]

[CALLINGTON MINES.—These mines are making a satisfactory progress, and an immense quantity of ore ground is developed between the north and south shafts; the ore is sometimes found in small branches, and is very rich for silver. The company have paid two dividends, each of 1t per share, and will very probably make a third, as soon as the steam-stamps engine is completed. It must be borne in mind, that an immense quantity of work has lately been done here, and a new drawing shaft has been sunk to a great depth—a work which was absolutely essential to tite future economical drawing of the ores. It seems they are also proving two copper lodes, which they anticipate will be found. absolutely essential to the future economical drawing of the ores. It seems they are also proving two copper lodes, which they anticipate will be found productive to the east of the cross-course, because a similar result happened at Holmbush Mine, which addoins the sett. Much has lately been said about the expenses attending the directorship of the company; and although it must be admitted, that a right system of economy, is of vital importance to the well being of mines, whether at home or abroad, yet this, when properly considered (and the remark is applicable also to railroads), is an item of small importance, when compared with the high standing of the directors, their ready payments, and judicious management, several hundreds per annum being easily saved by a prompt liquidation of debts, and by a close and frequent inspection into the various workings of the mine. Without wishing to make invidious comparison, the Callington Mines and Wheal Trelawney may, at the present period, be pronounced to be the best mines in the county next to East Wheal Rose.

HARBOWBARROW CONSOLS MINING COMPANY.—A meeting of adventurers was held at Plymouth, on Friday, the 10th inst., when it was resolved to suspend all further operations, until the lodes in Old Harrowbarrow Mine were more satisfactorily explored.

more satisfactorily explored.

Trenow Coxolis.—A most extraordinary proceeding, on the part of the individuals engaged in it, commenced at this mine, on Monday, the 22d ult, and was persevered in for some days, much to the sunovance and hindrance of the men, and to the loss of the shareholders. It appears, from the statement we have received, that on the above day, a person, calling himself Frederick Thomson, Esq., barrister-at-law, and Mr. Allan Johnson, came on to the mine, and pasted a paper on the capstan, signed by Dr. Johnson, stating that he had that day revoked the lesse granted to the Trenow Consols adventurers, in the names of Messus Bennett and Hopson; and that all persons, after such notice, found on the mine, would be prosecuted for trespass. They then ordered the labourers

to cease working, gave them 5s. to drink, and promised them a good dinner as soon as the affair was settled; the money, however, was given up to Dr. Johnson's servant, who immediately brought a large bottle of brandy, which he served out to those who would drink; and it is evident that attempts were made, both by threats and promises, to seduce the men from 'their employers, as a preliminary step to getting possession of the mine. That night Dr. Johnson's servant kept watch on the premises, and the next day, being sampling-day, a mob was collected, the sampling prevented; and it appears to have been entirely owing to the coolness and firmness displayed by the agents of the Trenow adventurers, knowing they had justice on their side, that a severe contest had not taken place, when, from the number of tools and dangerous implements laying about, it is probable life would have been scarificed. Having applied to a neighbouring magistrate for 18 warrants for pretended assaults against the Trenow men, which he refused to grant; and Mr. John, solicitor of Penzance, attending, and giving Thomson (the would-be barrister) a severe lecture, the parties seem to have given up the affair. We have given these facts from an official statement made to Mr. Hill, the solicitor, of Penzance, and can only say, that a more astrinordinary encroachment on property; without any legal notice, we never board of; and trust the adventurers will not fail to take the necessary steps for punishing, to the utmost, such a flagrant attempt to obtain possession of a mine, which, had they done, they would, no 'doubt, have trusted to the glorious uncertainty of the law for the result.

WHEAL BENNY.—Two or three locks have been opened upon in this set, of kindly promise, and an old shaft is now being cleared up. The belief the

wheal Benny.—Two or three lodes have been opened upon in this set, of kindly promise, and an old shaft is now being cleared up. The lodes take a direction 8° or 10° south of east, underlaying north. There are several lodes in the sett, which is extensive. We have reason to believe, the mine will change hands—there being a meeting of the adventurers convened for this day (Saturday), to take into consideration a proposition made. The sett, from its immediate contiguity to West Wheal Williams and Lamberooc, is one of good promise, and holds out encouraging prospects.

engine, steam whim, horse whims, and every other necessary building. This mine has, under the present management, been working about seven years.

Copper LODE AT PHILLACK.—A rich copper lode his his litely been discovered on Laity estate, Phillack, the property of Mr. Richard Nicholls of Treglission, nearly midway between the Herland and Great Wheal Alfred Mine. It is at the adit level, about 24 fms. below the surface. The lode has been inspected by several old and experienced mine agents, and they have stated that it is the best they ever saw at such a depth. The outlay of the adventurers has hitherto been trifling; and some have sold shares for 100L per 256th share; the selling, price is now 150L for 1-256. An engine is to be immediately erected, and the mine is to be called the "Alfred Console." It is to be hoped the spirited adventurers will be well remunerated.

NEGLECT OF SERVICE—IMPORTANT TO MINERS.—At the Police Court, on Monday last, three miners, named Noah Brettle, Thomas Cartwright, and William Holden, came before the bench, in a sawer to a summons charging them with neglecting to serve Thomas Gould. From Mr. Gould's statement, it appeared that he was a butty collier, and worked a pit at the Corngreave's Colliery. The defendants were engaged by hin to work the mine; and it was understood that 14 days' notice was to be given before the determination of the engagement on either side. On Saturday morning last, the three defendants came up with nine others, and refused to work. They went to the other nine, who were working 300 or 400 yards from them, and persuaded them to come up. The defendants, in explanation, said, that while absent from the pit, the doggy had gone down and altered their work. Their measure was 2 ft. wide, and he had made it four or five, thus leaving them extra work to do in holing the part where he had been working. Gould said the loose end had been taken off to let a boy with a basket, and air through. The doggy refused to answer the bench as to whether the electration was better

MINE ACCIDENTS.

East Wheal Ross—Appalling Accident—A catastrophe of a most awful and apprecedented nature occurred at the above mine, on Thursday week, by which East Wheal Rose—Appalling Accident.—A catastrophe of a most awful and unprecedented nature occurred at the above mine, on Thursday week, by which 39 individuals have been hurried into eteroity. This mine, which has proved as extraordinarily rich in silver-lead, as Wheal Maria has in copper, runs north and south through the middle of a natural amphitheatre, surrounded en all sides by hills, except a narrow ravine on the north, which had ever proved sufficient for the onlet of the enriface writer. About one o'clock on the day mentioned, dense thunder clouds gathered around the hills from the north-west, and a storm came on in a few minutes, as terrific as has every, perhaps, been seen in this country: the thunder roared—the lightning, in the most vivid fiashes, lit up the murky atmosphere—and the rain poured down in such solid streams, and rushed from the surrounding hills in such impetuous torrents, that the only outlet being no longer able to conduct the accumulating waters from this natural basin, they rushed into the shafts of the mine, and in an incredibly short time filled it from the bottom (100 fms.) up to the 50 fm. level, which has been driven on about one mile. At the time of this extraordinary flood, there were upwards of 200 men and lads in the mine; and, of course, every possible exertion was made by those at surface to rescue them: clusters of them were saved by hanging to kibbles and chains lowered for the purpose; but, after every effort, it appears 39 were left in their watery grave. In addition to this awful loss of life, the works have sustained most severe injury, the rush of the waters carried away the timbers which supported the levels, which, from the superincumbent pressure, and the friable nature of the country, fell in, forming a large and deep pit on the surface. The rush of wind in the levels, under the other waters carried away the timbers which supported the levels, which, from the superincumbent pressure, and the friable nature of the country, fell in, forming a large and deep pit in the mine; the water was reduced to about the 70 fm. level, and it is proba-ble those parts of the mine which are uninjured will be immediately again in operation. It is most gratifying to observe, the general enthusiasm which prevails to relieve, to the utmost, the distress of the survivors on this sad occasion; the adventurers, in the first instance, provided for the funeral expenses; and on Tuesday last, a committee meeting was held at Truco, when it was resolved, that 500l. should be devoted to the relief of the sufferers. The Bishop of Exeter, on hearing of the accident, immediately wrote to the vicar of Newlyn, offering a large courtibution for himself and sons, and desired him to afford immediate assistance at his expense. A general subscription has commenced under the most favourable circumstances; and most happy shall we be to aid the cause by receiving subscriptions at the Mining Journal office, 25, Fleetstreet, for the London district, which shall be duly forwarded to the Cornish committee, with the names of donors, which will then be inserted in the general list to be published in the papers.]

Wheal Gray, Germee.—W. Piper, aged 8 years, was killed by a fall of rubbish. Wheel Poldice.—A miner, named Jenkins, had his legs crushed by the falling of a scale of ground.

Balkswidden Mine.—A young, named Grenfell, was very seriously hurt at this mine: it appears that during the time which elapsed from his leaving work on Saturday, till his return on Monday, a "scale" of ground had fallen away, so as to weaken the stays of a ladder Grenfell had to descend, and which fell with him immediately on his entering it.

West Hoc Quarries, Derbyshire.—J. Mitchell was killed by a fall of stone.

St. Helen's.—P. Tomlinson was killed in a colliery at Parr Stock.

Rochdale.—G. Wild was killed by a fall of roof at Nook Colliery, Wardleworth. n. It is most gratifying to observe, the general enthusiasm which pre-

nckmore, near Dudley.—A miner, named Southall, was killed by a fall of stuff, in Messrs. Cochrane's colliers.

Brockmore, near Dudley.—A miner, named Southall, was killed by a fall of mine-stuf, in Messrs. Cochrane's colliery.

Dudley.—A miner was killed by a fall of coal in Messrs. Attwood's pits.

Manyport.—J. M'sill was killed by the falling of a large block of metal.

Delabols State Quarry.—J. French was struck by a stone and killed.

West Bromscick.—J. Brown was killed by a fall of coal in Mr. Horton's Colliery.—W. Lawton was also killed by a fall of coal in Mr. Horton's Colliery.—W. Lawton was also killed by a fall of coal in one of Messrs. Cresswell and Son's pits.

Auful Accident, and Providential Escape.—A serious accident happened in Mr. Fletcher's pit, in Hawkee's-field, at Cinder Bank, near Netherton, which might have been attended with a terrible loss of human life. It appears, that about 9 or 10 o'clock the gate road of the pit fell in, burying and almost suffocating 13 or 14 men. On the circumstance becoming known, a great concourse of people assembled upon the bank, and rendered every assistance. About two hours, however, elapsed before the men were released from their perious situation; but we are happy to say that they were all got out alive, though they appeared to have suffered dreadfully from fright, and the apprehension of being entombed alive.

Terrible Explosion and Loss of Life in a Belgian Coal Mine.—An explusion of coal damp took place on Thursday last, about half-past four in the evening, at the mine of Ougra; which has cost the lives of four men and two children. This accident is attributable to the imprudence of a workman, who fired a charge in one of the cuttings without sufficiently assuring himself of the absence of all explosive gas in the mine. On Friday morning, at 8 o'clock, four men and one boy had been drawn up to the bank.

WATER GROOVE LEAD MINE.—This celebrated mine, the richest, perhaps, in England is now before the adequate of the contract which at intervals to one of the contract of the part which at intervals tone.

WATER GROOVE LEAD MINE.—This celebrated mine, the richest, perhaps, in England, is now being worked actively. The water, which at intervals stops the working, is now very low, and the metal got is immense.—Sheffield Iris.

Bandba-ther being smesting of the advantures convended fath sky (Saturday), to take into consideration a proposition made. The esti, from its immediate contingivity for West Whas I Williams and Lamberoot, is one of good primiting and holds out encouraging prospects.

Wirally Williams and Lamberoot, for soil of good primiting and holds out encouraging prospects.

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Wirally Williams and Lamberoot, for soil of good primiting with every appearance of its continuing in depth. We congratulate the infant with every appearance of its continuing in depth. We congratulate the infant bulk of the production of the soil of the little with the production of the soil of the little with the every appearance of its continuing in depth. We congratulate the infant with every appearance of its continuing in depth. We congratulate the infant with every appearance of its continuing in depth. We congratulate the infant with every appearance, the mine when the soil in the production of the continuing the production and the soil of the continuing the production of the world, and found or in the production of the infant of the continuing the production of the infant of the world of the world

Current Prices of Stocks, Shares, & Metals.

The diameter of the world the E. M. diverses	the state of the ground of the state of the
THE TOTAL COLLOWS! STOCK EX	CHANGE, Saturday morning, Twelve o'clock.
Bank Stock, 7 per Cent., 206 \$ 1 per Cent. Reduced Ann., 96 \$ 6 per Cent. Consols Ann., 96 \$ 1 per Cent. Consols Ann., 96 \$ 1 per Cent. Ann., 97\$ \$ 4 \$ 4 per Cent. Ann., 97\$ \$ 4 \$ 4 per Cent. Ann., 97\$ \$ 4 \$ 4 per Cent., 263 2 per Cent. Consols for Acc., 96 Exchequer Bills, 1000%, 14 10 pm.	Belgian Bonds, 4½ per Cents., 972 Dutch. 2½ per Cents., 592 4 Brasilian, 5 per Cents., 856 Chilian, 6 per Cents., 964 Mexican, 5 per Cents., 27 4 Spanish, 5 per Cents., 27 Ditto Deferred, Portuguose, 5 per Cents., 81½ 2½ Bussian, 5 per Cents., 112

Mines.—That some little improvement in the mining share market has taken place, may be gathered from transactions in the following mines during the week, and in some of them rather large numbers have been purely

West Caradon	West Providence	West Wheal Jewel
Alfred Consols	West Wheal Maria	Lamherooe
Condurrow	Stray Park	Wheal Walter
Concord	West Seton	Craddock Moor
Treleigh	South Trelawney	North Wheal Rose
Chypraze	Wheal Mary Ann	Barristown
East Wheal Alfred	Wheal Gilt	West Tolgus.
Business in the following	foreign mines has also	been done: Alten, Imperial
Brazilian, Bolanos, Real	Del Monte, and St. John	del Rey.

Brazilian, Bolanos. Real Del Monte, and St. John del Rey.

RALWAYS.—During the earlier part of the week, the transactions in the share market wore a healthier tone than for some considerable time previous, and prices remained firm, though no great amount of business was done; during the past three days, although, generally, there has been a downward tendency where there was the least expectation of calls, business has been done in some few instances at an advance. The settling day (Thursday), passed without any remarkable effect on the market.

MEETINOS.—Leicester and Bedford: to petition House of Lords in favour of the line, and resolutions passed unanimously.—Thav Vale: for the same object, and passed unanimously.—Windsor, Slough, and Staines Atmospheric: to consider dissolution or otherwise; the bill being thrown out in committee, the Great Western Company had proposed to construct a branch from Slough to Windsor, and allow the company a fair proportion of the profits. Another meeting was decided upon, to be held on the 5th August next.—Sheffield, Buxton, Leek, Potteries, and Crewe: resolutions were adopted, to promote the dissolution of the company.

solution of the company.

The shareholders in the Louvain and Sambre held a meeting last week in Belgium, and consented to the modification of the original plan, and to the construction of the branches from Namur to Charlevoi, having ratified the convention of the 28th of January, and the law promulgated on the 30th of March last. The name of the company is to be altered, so as to include the Namur of Charlesi branch.

and Charleroi branch.

The Bank of England, it is said, has contracted a loan of 100,000?, with the Chester and Holyhead. The interest is 4½ per cent., with a guarantee of 30,000?.

Chester and Holyhead. The interest is 4½ per cent., with a guarantee of 30,000l. per annum for the mails.

The Lincoln and Nottingham is to be opened the first week in August.

The Royal assent was given on Thursday, by commission, to 64 railway bills; the greatest number of which are for branches and extensions of the principal lines.

Preambles proved in Lords.—Eastern Counties station enlargement; Huddersfield and Sheffield; Manchester and Leeds amalgamation; Grand Junction—Hoyton and Ashton, and other branches; Ipswich and Bury St. Edmunds (Norwich extension).

The number of bills which have passed the Standing Orders of the House of Lords is 38. Twenty-one bills went through a select committee on merits; and, in the cases of the Birmingham and Oxford Junction and Birmingham extension, their lordships decided that the Standing Orders had not been complied with.

Bills obt in Lords.—Manchester, Sheffield, and Midland Junction; Midland

complied with.

Bills lost in Lords.—Manchester, Sheffield, and Midland Junction; Midland and Eastern Counties (Cambridge and Weedon).

The number of railway bills read a second time in the House of Common was four; a third time, 17; and the reports of 12 agreed to,

Bill lost in Commons.—Lancaster and Preston Junction.

HULL, THURRDAY.—The market, during the past week, has presen alteration. South Midlands are better to-day, and Leicester and Bedfor Barnsleys higher, owing to buying in operations. North British Carliel Leeds and Bradfords steadily advancing.

KAILWAY SHARE MIST,	Chains or	(Cleaner or
RAILWAYS. Paid	dest meek.	last nigh
Amber, Nottingham, Boston, and Erewash Junction	110	84
Armsgh, Geleraine, and Portrush -956, shares	100	orthan de
Birmingham and Oxford Junction - 20f shares 2 Bristol and Excer-190f shares 70	6 any	PATTER DO
Bristol and Gloucester-500 per share	Lead Mine.	Senore
Galescenian—50/ per share	er - 100	moulli bu
Chester and Holyhead—50/ shares	201	effaton CO
Direct Northern 50 shares 21 Direct Manchester (Remington's) 20 shares 22 Ditto Rastrick's 25	1	20 direws
Ditto Rastrick's	-drawott	outile
Dublin and Gulway—50f shares assets as a state of the Dundalk and Enniskillen—50f shares I.	7 6 dis	dolvil 00
East Lincolnshire 14 16	24 no	During &
Edinburgh and Glasgow—50/ shares	73	Duray 30
Grand Union (Nottingham and Lynn)	dis.	dis.
Great Grimshe and Shoffield 30/ shares 4		Carp 10
Great Southern and Western (Ireland)—50% shares 15 Great North of England—100 shares	274	27
Great Western 100/ shares	158	Prento L SE
Guildford, Farnham, and Portsmouth—501, shares	1074	108
Leeds and Carlisle	54	80 Cook's
Leicester and Bedford -20/ shares	dis.	dis.
Leicester and Tamworth—20t shares	- 101X x	In dis.
London and Birmingham Extension—257 shares	225	228
London and Blackwall was designed and Av. 161 190 Ad	10 10 0 a	DEVENTED DO
London and Brighton—50/ shares	65#	231
London and South Western Av. 41/ 6s 10d	784	796
London and York—50/ shares	and a hen	W issi.
Londonderry and Coleraine—50/ shares	Trives lead	W Jane W
Lynn and Dercham—25! shares Land	DOLL THE	104
Manchester and Birmingham-40/ shares 40	83	841
Manchester, Buxton, and Matlock 20/ shares 42 s Manchester and Southampton 2 Midland Stock	1 pm.	pm.
Midland Stock Ditto Birmingham and Derby Stock	152 124	131
Newcastle and Berwick-25/ shares	26	262
Newcastle and Carlisle—100l shares	46 9500	O Japak C
Ditto New (Brandling)—25/ shares	45	of the Contract
North British—25/ shares	308	30
Northern and Eastern—50f shares	Manda Manda	75
North Staffordshire-201 shares 428	34 pm.	31 pm.
Portsmouth Direct -50/ shares 3#	rtiD warned	words to
Preston and Wyre—50/ shares	301	318 00
Rugby and Huntingdon—20/ shares	19	20
Scottish Midland—254 shares 10 Shetfield and Manchester—1004 shares 100 Shrewsbury and Birmingham 24 South Devon—504 shares 25	64	nderson OF
Shrewsbury and Birmingham	eride april	100012
South Lastern and Dover accession as a second of the Av. 33, 28 46 ?	33	445
South Midland - 20/ shares	å dis.	i pm.
Staines and Richmond—201 shares	-	SIMPLE OF
Trent Valley and Holyhead Junction—207 shares 24 Vale of Neath	and in the state of	o Linucyr
Welsh Midland	with	CONTRACT OF
Wilts, Somerser, and Weymouth—50/ shares	41 dis.	47 dis.
York and Carlisle	alonggo w	101
Ditto Selby-50l shares	Carros Carros	79
FOREIGN RAILWAFS. Boulogne and Amiens—201 shares	75.00/83	M Martin E
Bordeaux and Toulouse and Cette (Mackenzie)-20/ shares 2	1801 dist	121
Bordeaux, Toulouse, and Cette (Espalere)—20/. shares 2 Central of Spain—20/ shares 2	Simple of	V ILTOW A
Fast Indian	profit home	I made a
Great Northern of France (constituted) b Great Western Bengal Great Western Canada—2241. shares 3	ranuz eleca	oo one Des
Jamaica and South Midland Junction-207 shares	TOOK NO	January Joseph
Jamaica North Midland	To a	D Polydily
Lyons and Avignon—20/ shares	0011	1
Lyons and Avignon—207 shares: 37 cold 1999 1999 1999 1999 1999 1999 1999 19	109 (3 W 4	moin 35 S
	151	o see co
Orieans and Bordeaux—20/ shares 6 Paris and Bordeaux—20/ shares 6 Paris and St. Quentin—20/ per share 2 Paris and Orieans—20/ shares 20 Paris and Rouem—20/ shares 20 Rouen and Harre—20/ shares 18		CONTROL OF
Paris and Rouen 20/ shares 20	384	381
Swittbre and Breuse - 20 strates 0	288	28
Strasburg and Båsle—14/shares	284	South S
all fortiff artist 110 11 Ed	* AUSOCIAVAZ	D SORED BE

RAILWAY SHARE LIN

1

RAILWA	Y TH	APPIC R	ETU	RNS. yenwale	all din	
Name of Railway.		Present ac-	Last Div.	Traffic Ret	184	
Arbroath and Forfar	15	£140,782	31 p.c.	the feet amonths of	£ 20	
Chester and Birkenhead	15	589,682	24	774 5 11	78	
Dublin and Drogheda	32	631,258	Mio s	838 6 2	10 810	
Dublin and Kingstown	6.	349,736	9	1379 3 5	10198	
Dundee and Arbroath	17	153,598	-6-	345 0 11	80	
Ourham and Sunderland	19	302,118	2	526 19 1	54	
Counties & North & English	11248		比别联珀	9728 9 84	521	
Edinburgh and Glasgow	46.	1,686,226	o.Green	3795 2 9	2739	
lasgow, Paisley, and Ayr	51	1,104,773	6	2261 6 8	2010	
lasgow, Paisley, & Greenock	23	806,134		1255 14 2	1249	
rand Junction Company	119	2,597,317	10	O man and	10316	
ravesend and Rochester	7	85,000	-	320 15 10	332	
Froat North of England		1,296,196	6	0.00	DOULLE	
reat Western	240	8,179,980	81.5	20075 17 6	18825	
fartlepool	-	-	2200000	861 11 11	1002	
ondon and Birmingham !	176	7,417,217	10	39517 8 9	21009	
ondon and Blackwall	4	1,078,851	1.64	1476 10 1	1461	
ondon and Brighton		2,650,673		6973 11 5	5946	
ondon and Croydon	10	842,592	34	1977 5 24	1782	
ondon and South-Western	93	2,620,724	101	8022 10 0	8881	
Ianchester and Birmingham	85	2,197,585	(100 a)	4315 0 2	3785	
fanchester & Leeds	61 4	3,972,869	(B) (C)	6898 9 5	6748	
lanchester, Bolton, & Bury	10	842,725	68	1451 0 0	1106	
lidland Company	169	6,636,105	6	17596 16 5	16904	
lewcastle and Carlisle	65	1,137,385	5	2027 15 8	1746	
lewcastle and Darlington	224	1,272,031	9	3086 14 1		
lewcastle and North Shields	7	316.869	5	548 0 0	2857	
orfolk	89	573,818	5	1627 10 0	578	
orth Union, Bolton &c.4	32	1,060,551	68	1027 10 0	449	
reston and Wyre	22	432,014	9	1187 11 5	1867	
heffield and Manchester	41	1,313,225		1887 0 8	901	
outh-Eastern and Doverz	103	4,284,924	21	9243 10 2	804	
aff Vale	30	648,348			7745	
lster	25	358,353	31		1124	
armouth and Norwichi	204		2	633 15 8	646	
ork and North Midlend	53	250,037	10	COLE O A	449	
aris and Orleans	82	1,632,859	10 9	6615 0 0	5108	
aris and Rouen	84	2,082,916 1,995,306	9	5664 0 0 6512 0 0	5663 5829	

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LITE RARY NOTICE.

A Letter to George Carr Glyn, Esq., Chairman of London and Hirmingham Railway, on the Jeopardy to which the Interests at Line are exposed by the Parliamentary Resolutions of the House of Chamber Street, and the Company of the Month of the House of Chamber Street, and BHIMINGHAM RAILWAY. London: Reid, Charing Cross.

In this letter to the chairman of the London and Birming and Railway Company, the author—while his language is of the most temperate and gendemanly description—clearly shows the directors, that, while they have completely neglected the duty which their responsible position imposed upon them—to protect the interests of the company—by suffering the Great Western people, after two defeats, to conquer, and obtain, by sheer perseverance, their line to Wolverhampton on the broad gauge; while, for the narrow gauge—for national uniformity, and for the great interests of the northern railways—not a step seems to have been taken—not a voice was raised to have confined the broad gauge from extending at least further than Oxford—while he considers that the London and Birmingham interest has been most ignominiously beaten, for want of a little exertion—while he prophesies, that, if the line is carried out, a destructive competition will arise, decreasing the dividends, without benefitting the public—he still considers, that, with vigour, the mischler may be undone; and, by obtaining the seatous Parliamentary aid of some able friend—Mr. P. M. Stewart, for instance—to face the broad gauge advocate, Mr. Russell—national uniformity might still prevail, and the Great Western he prevented from passing Oxford.

PRICES OF MINING SHARES

1

BRITISH MINES.	BRITISH MINES continued.
Shares. Company. Paid. Price.	Shares, Company. Paid Price.
1024 Alfred Consols 34 30 30 30 30 30 30	256 South Wh. Hope 5
235 Andrew and Nangthes 255 - 30	256 South Wheal Rose 2 3
	10000 Sonthern&Western,Irish 1 2 256 St. Austell Consols 20 94 St. Ives Consols 600
320 Birch Tor Tin Mine 101 12 8000 Blaenavon 55 50 40	94 St. Ives Consols
256 Bodwinniek 3 5 100 Botallack	9600 Tamar Consols
100 Botallack	256 Ting Tang
10000 British Iron, New regis. 10 19	128 Tokenbury
Ditto ditto, scrip	1024 Trelawney Consols.
100 Bwich Curperfin 20 200	256 Trenow Consols
1000 Callington	96 Tresavean
256 Caradon Copper Mine 94 8 256 Caradon Mines 15 40	120 Trethellan
200 Caradan United 24 16-25	1. 128 Thoughland www.12 i.d. 254
256 Caradon Wh. Hooper 12 7. 1000 Carn Brea 15 110 114 Charlestown 200	100 United Hills the same of the 4
114 Charlestown 200	128 West Basset
236 Chypraze	256 West Caradon 20 340
128 Comfort 50 5000 Con. Tretoil Mining Ass. 34 24 128 Condurrow 31 56 2560 Cook' Kitchen 56	West Kekewich Consols 40
128 Condurrow 31 56	256 Wheal Kekewich
1000 Copper Bottom 1 5	256 West Providence 12 200 West Seton 524
3200 Cornubian Lead Co 3	120 West Trethellan 5 32
240 Craddeck Moor 9 30	256 West United Hills 114 4
128 Creeg Braws 120 80	3845 West Wheal Jewelson 11 91
500 Cubert Mine	2560 West Wh. Maria 3 2560 West Wh. Mitchell 2
1024 Devon & Courtney Con. 3 . 3 1000 Dhurode 2 . 5 186 Dolcoath 80	256 West Wheal Shepherd 16 256 West Wheal Tolgas 214 19
10000 Durham County Coal. 45 . 9	256 West Wheal Treasury 12 5
128 East Pool	240 Westerlake
- Fast Wheel Albert 1 2	256 Wheal Albert 10 8
94 East Wheal Crofty	128 Wheal Acland
128 East Wheal Rose 50 1300 123 East Wheal Seton 21 121	368 Wheal Anderton 10g 11g 128 Wheal Ann 50
512 Fowey Consols 40 20000 Galvanised Iron Co. 10 10	256 Wheal Blencowe 20
	256 Wheal Boscustle 31 9
1000 Godolphin 35	256 Wheal Bian Consols
256 Gonamena	256 Wheal Cleveland 21 21 136 Wheal Clifford 200
	1024 Wheal Concord 54 10
100 Great Consols 1000 400 256 Great Calestick Moors 13 2560 Great Mitchel Consols 2	256 Wheal Fortesche 4 12 256 Wheal Frederick 3 20
2560 Great Mitchel Consols 2	384 Wheat Franco 22 4 25
128 Great Resugger Moor 1	1000 Wheal Harriet 1
1000 Gunnis Lake 11 3 128 Hallenbeagie 50	128 Wheal Henry
1000 Hanson 5 1	256 Wheal Hope 7 1
1000 Harrowbarrow Consols 2 · · 1‡	256 Wheal Jane
800 Hawkmoor 3 4	1024 Wheal Maria 1 700
256 Herodsfoot	256 Wheal Mary Ann 5 100
1000 Hibernian 121 1 1000 Holmbush 18 14	1024 Wheal Mary (Calstock) 21 11 256 Wheal Mary Comols. 25 15
200 IVV Tor	. 206 Wheat Mexico D 5
2048 Lamherooe Wh. Maria 7 71	256 Wheal Mary Lanivet. 21. 20 256 Wheal Norris 9 . 91
128 Lanarth & Penstruthal 159	128 Wheal Penrose 5 128 Wheal Pollard 111. 12
200 Larkholes 1 3	128 Wheal Prospect 4 9 128 Wheal Providence 34 40
	128 Wheal Providence 34 40 128 Wheal Reeth 60
1280 Llancynfelin 5 15	256 Wheal Robins 13 2
2800 Marke Valley 10 32	128 Wheal Rose
	512 Wheal Sarah
1000 Nant-A'r-Nelle 2 24	1924 Wheal Spearne 12 8
200 Nanterrow Consols 102 104	256 Wheal Sisters
	128 Wheal St. Cleer
70 North Poel	256 Wheal Treventan 31. 4
256 North Treburget 24 4	128 Wheal Venland 121 20
100 North United 41 20 256 North Wh. Leisure 1 6 128 North Wh. Providence 2 10	138 Wheal Yenland
126 North Wh. Providence 21 10 256 North Wheal Rose 261 36	1024 Wheal Williams 3 8
15000 Northern Coal Co 23 . 2	PORESTN MINES.
600 Old Delabole Slate Co. 25 . 45 128 Par Consols 900	5000 Alten Mining Company 141 12
200 Fennatiow Moor 13 3	10000 Angio-Mexican Co 100 3
100 Penrhiw 30 65 128 Pen-y-Cefn Mine 50 55	2000 Bolanos 150 44
1280 Perran St. George Un. 13 20	3374 Ditto Subscription 25 4 2000 Bolanos 150 42 12000 Ditto Scrip 15 8 10000 Brazilian Imperial 20 4
256 Rose Cousols 10 7	8500 Colombian Co. regis. 55 } 41 5000 Ditto Serip
256 Rose Cousols 10 7 1000 Rosewall Hill 1 31	10000 Copiapo Mining Co 14 . 2
	20000 General Mining Ass'n. 20 15 5051 Mexican Company 44 59
256 Sourton Cousols 34 5	12000 Mocaubas & Cocaes 25 84
256 Sourton Consols 34 5 128 South Caradon 10 400 2000 South Dolcoath 2	29320 {Rl.del Monte, regis. } 281. av. 34
260 South St. George 95 12	Ditto Red Debentures 19
260 South St. George 91 12 200 South Harvannah 23 26 800 South Towan 10 14 256 South Trelawney 4 1 16	Ditto Loan Notes 150 117
128 South Yeoland	2000 Pachuca Mines A 24
128 South Yeoland 164 20 128 South Wheal Basset 180 124 South Wh. Francis 70	11000 St. John del Rey 15 104
124 South Will Etalicis	anita United Mexican 28‡ 3‡
. We should feel greatly obliged by agent such corrections for our Share List as we	may not have received through our usuat to present as accurate a list of prices as can

ils of information—our object being, to present as accurate a list of prices as can ined—to procure which, we solicit the aid of correspondents in general.

LATEST CURRENT PRICES OF METALS.

LONDON, J	ULY 17, 1845.
	£ s. £ s. d
	Corren-Ordin. sheets, 1b. 0 0-00 10
	,, bottoms . 0 0-0 0 111
Nail rods ,, 0 0-10 0 0	Trs-Com. blocksg cut. 0 0-4 12 0
Hoop(Staf.), 0 0-11 5 0	, bars 0 0-4 13 6
Sheet 0 0-12 10 0	
Bars 10 10-11 0 0	Straitsh 4 11 6 4 12 0
Rails, average 9 0-9 10 0	Banca 0 0- 4 14 6
Welsh cold-blast 0 0-5 5 0 feundry pig	TIN PLATES-Ch.,ICi, box 1 9- 1 10 0
foundry pig (0 0- 5 5 0	. IX 1 15-1 16 0
Scotch pig b, Clyde 3 12 6 3 15 0	Coke, IC 1 4 6 1 5 0
Russian, CCNDc. 0 0-16 0 0	
PSI 0 0-16 0 0	
Goarleff 14 5-14 10 0	Pig, refined 0 0-21 0 0
Archangel 0 0-13 12 6	,, common 0 0-19 0 0
Swedish d, on the spot 11 0-11 10 0	
Steel, fagt. 0 0-15 10 0	
, kegse 14 0—14 5 0	SPELTER-(Cake) ! 0 0-18 5 0
COPPER Tile # 0 0-92 0 0	Zinc -(Sheet) m export.* 0 0-28 0 0
	Orthodox select at
Tough cake 0 0-93 0 0	REFINED METALton 4 15-5 0 0
a Discount 21 per cent. b Net cash.	c Discount 21 per cent. d Ditto,
e In kegs 1 and 1-inch. f Discount 3 per c	ent. g Ditto 21 per cent. h Net cash.
e In kegs 1 and 1-inch. f Discount 3 per cin bond. i Discount 3 per cent.	& Ditto 21 per cent. \(\) Net cash.
m Discount 11 per cent. n Discount 11 p	er cent. * For home use it is 321. per ton.
A WILL A PROPERTY OF THE PARTY	

[From our Correspondent.]

IRON.—Welsh and Staffordshire continue in good demand, and large sales of Scotcle pig have been made at quotations. In foreign iron and steel nothing new to report sine and, and large sales of Scotch pig have been made as quotations. In roreign from and also nothing new to the publication of last week's Mining Journal.

Try (English) remains in the same position as last week—the smelters still adhe to our quotations, but will not sell. Foreign is in fair demand.

Spelter continues very inactive.—On other metals no remarks to make.

[Communicated by Mesers. Whitcomb and Barton, Old Broad-street.]

English bar-lron continues very firm. The demand has increased considerably, and higher prices talked of. Weish and Staffordshire pig-iron steady at last week's quotations. In Scotch pig-iron good basiness daing at 72s. 6d., cash, and 75s., bill at three to four months for mixed numbers. In rails, contracts have been made this week at 94, 10s. for specification in February next.—No alteration in other metals,

for specification in February next.—No alteration in other metals, [From a Correspondent.]

In spelter a few transactions have taken place during the week at 161. 5s. per ton, at which there are still sellers.—English bar-iron has been in great demand during the week at 8t. per ton, delivered in Wales—the trade being the principel buyers. Rails are firm at 9t. 10s. per ton, and large orders are in the market at a shade under. Welch and Staffordshire pigi-iron continue firm at quotations, with good business doing. Scotch pigiron has advanced to 75s. since last week for No. 1, and 72s. 6d. for mixed numbers—at which prices many thousand tons have been sold, and many of the makers are asking 80s. per ton at Giasgow. Swedish from and steel without demand.—English in is in good de—English and 5 present prices, at also Banca and Straits.—Copper is held firm, but little doing.—English and foreign lead rather dull of sale.

GLASGOW PIG-IRON TRADE.

JULY 10.—We have had a very lively demand for iron this week, and, within the last two days, prices have advanced several shiftings per tox, with a considerable inquiry by purchasers at our quotations. We quote 68s. to 70s. for No. 5; 70s. to 72s. 6d. 50 mixed Nos.; and 72s. 6d. to 75s. for all No. 1—cash, free on board.—National.

JULY 11.—During the week we have had an extensive business in iron, and priceshave advanced nearly-5a. per ton, and the market has closed very firm at the quotations of 69s. to 70s. for No. 3; 72s. 6d. mixed Nos.; and 75s. for all Nos.—cash, free on beaud. JULY 14.—We have had an extensive business the last few days for fron, said prices are gradually stiffened. The market closed very firm at 70s. for No. 3; 72s. 6d. mixed (od., to 75s. for all No., -cash, free on board.

LIVERPOOL, JULY 9.—There are pleuty of buyers at 68s, for immediate cash for half No. 1 and half No. 3, but no sellers under 70s., and only one or two at this—all being maxious to buy than sell.—A sale was made of 2000 rom, half No. 1 and half No. 5, at 70s.—three months.

PRICE OF TIN PLATES AT NEWPORT.

CURRENT PRICE OF GOLD AND SILVER. Foreign gold in bars per oz. £3 17 9 New dollars per oz. £6 4 9}

THAMES TUNNEL COMPANY.

The number of passengers who passed through the Tunnel in the week ending July 11 was 18,199; amount of money, £75 16s. 7d.

New Docks at Southampton.—The opening of the new Graving Dock—a structure from which great commercial advantage to the town has been anticipated—was formally completed on Saturday last. It has been built in about 14 months, at a cost of 60,000l. Its extreme length is 818 ft.; width of middle, 78 ft.; breadth of gates, 66 ft. At high tide there is about 18 ft. of water. The dry dock is making rather slow progress towards completion. The tidal dock is now in active use, and its business is in daily increase.

dry dock is making rather slow progress towards completion. The tidal dock is now in active use, and its business is in daily increase.

Oxford, Worcester, and Wolverhammeton Rathway.—The works on this new line are progressing rapidly, and in a most satisfactory manner. The trannel work has been well begun; for besides, the sinking of the shafts, the trannel work has been altely completed, and the workmen have well begun the excavation and brick-work at the tunnel. In close proximity with the works at Rainbow Hill, brickmakers are very busily employed in the manufacture of bricks, for which purpose the soil here is well adapted. Temporary rails have been laid down, for facilitating the conveyance of materials and soil; and a large number of men being employed, the greatest activity prevails throughout the course of the line marked out between the site of the Worcester station on Primrose Hill and the Astwood Road, in the parish of Clinies. On this road a bridge is being constructed for passing over. The line from this point to the junction with the Bristol and Birmingham line near Abbott's Wood has been definitely laid out, and the works near the junction are being prosecuted with vigour. At Dudley the same activity prevails, and thousands of bricks are being made for the Dudley tunnel, which will require some 7,000,000. The brick-work limings of the tunnel will be 3 feet thick, and there will be five shafts in it. A large number of men are busy at work; and the expenditure of their wages is quite a boon to the tradespeople of Dudley.

The Gauce Question.—The resolutions for the settlement of this important question for the present—which passed the Commons some weeks since—were brought before the House of Lords last evening, and, after a few observations from one or two Peers, were unanimously adopted.

Railway Traffitc.—From our official returns, it appears that the amount of traffic for the lest week, on reagh 1800 wills of Tallway was 162 298k, thus

from one or two Peers, were unanimously adopted.

RAILWAY TRAFFIC.—From our official returns, it appears that the amount of traffic, for the last week, on nearly 1800 miles of railway was 162,2981, thus accounted for:—96,4871. for the convevance of passengers only, 33,4401 for the carriage of goods, and a remainder of 32,4121 tor passengers and goods together, not respectively apportioned; being an increase over the corresponding week of last year of 37,5991.—Railway Chronicle, of this day.

**Deepest Artesian Well in Europe.—In the Duchy of Luxembourg, a well is being sunk, the dopth of which surpasses all others of the kind. Its present depth is 2336 ft., nearly 984 ft. more than that of la Grenelle near Paris. It is said, that this immense work has been undertaken for working a large stratum of rock salt.

COPPER ORES.

Sampled June 24, and Sold at Andrev's Hotel, Redruth, July 9, 1846.

Average standard, 98l. 13s.—Average produce, § 1.—Average price per ton, 5l. 5s.—Quantity of ore, 2289 tons.—Quantity of fine copper, 187 tons.—Amount of money, 12, 156l. 6s. 6d.—Average standard of last sale, 104l. 10s. 0d.—Average produce ditto 7s.

NO SALE on Thursday last, July 16.

Copper over for sole on Thursday set, at Peirce's Hotel, Truro, —Mines and Parcels — Devinchine Great Cowols, Wheat Marin, and Wheat Panny 1277 —Treavenate's Tweet Cardon 346—Podice 339.—Fewer Comools 369—Wh. Lydia & South Towan 269.—Grambler and St. Aubyn 233.—Hallenbengle 269—Treviskey 169—Wheat Jewel 122—Barrier 107.—Holmbush 105.—Bedford, United 21.—Ting rang Consols 74—Wheat Maiden 68—Wheat Comfort 56—West Grambler 13.—Total, 4227 tons.

omfort 55—West Grambler 13.—Total, 4257 (ons. Copper ores for sale on Thursday week, at Pearec's Hotel, Truro.—Mines and Parech Consols 937—United Mines 805—South Caradon 300—Par Consols 268—Perran S corge, Bolenna, and Wheal Leisure 241—Treleigh Consols 220—Lanivet Consols 194— rethellan 163—Wh. Ellan 143—St Agnes Consols 118—Wh. Sisters 63—Wh. Andre and Nangiles 57—Wh. Anna 48—East Downs 13—Wh. Maud 6—Wh. Rock 2—Pembroke Total 3478, 450

QUARTERLY SALE OF COPPER ORES IN CORNWALL .- To JUNE 30 Copper ores, 38,232 (21 cwts). Fine copper, 3033 tons 3 cwts. Amount of money, 200,8161. 11s. 6d. Average standard, 1601. 17s. Average produce, 7s and 1-16th. Average produce, 7s and 1-16th.

COPPER ORES

At SWANSEA, for Sale, July 22.—Cobre 80, ditto 75, ditto 70, ditto 65, ditto 53, ditto 52, ditto 54, ditto 43—Santiago 120, ditto 111, ditto 167, ditto 160—Bearhaven 126, ditto 123, ditto 160—Bearhaven 126, ditto 123, ditto 160, ditto 163, ditto 76, ditto 76, ditto 76, ditto 76, ditto 76, ditto 48—Ballymurtagh 78, ditto 64, ditto 49, ditto 49, ditto 38, ditto 18, ditto 2—Cuba 160, ditto 36, ditto 66, ditto 45—Knockmahon 93, ditto 63, ditto 62, ditto 41—Montacute 58, ditto 47—Cosheen 24, ditto 22—Lackmore 36, ditto 2—Kawaw 14, ditto 16.—total 2877.

COAL MARKET, LONDON,

COAL MARKET, LONDON.

PRICE OF COALS FEE TON AT THE CLOSE OF THE MARKET.

MONDAY.—Car's Hartley 16—Dean's Primrose 13 6—Hastings' Hartley 16—Ord's Redheugh 13 6—West Hartley 16—Dean's Primrose 13 6—Instings' Hartley 16—Ord's Redheugh 13 6—West Hartley 16—Stew Mylam 13 9—Wall's Knd Walker 15—Eden Main 18—Belmont 15 8—Brinddyll's Hatton 15 6 to 15 9—Haswell 16 3—Hetton 15 9—Lambton 15 6—Russell's Hatton 15 6—Stewart's 15 9—Adelaide 15 3—Barrett 14 3—Seymour Tees 14 6—Fees 15 6—Cowpen Hartley 16.—Ships, 68.

WEDNESDAY.—Adair's Main 13 6—Buddle's West Hartley 15 3—Carr's Hartley 15 6—Cheester Main 13 6—Davison's West Hartley 15 6—Dean's Primrose 13 6—frace's Hartley 16 6—Hastings' Hartley 15 6—New Tanfield 13—Ord's Redheugh 13 6—Raverisworth's West Hartley 15 3—Tanfield Moor 15—West Hartley 15 6—West Wylam 13 9—Wellington Hartley 15 5—Tanfield Moor 15—West Hartley 16 6—West Wylam 13 9—Wellington Hartley 15 6—Well's Hattey 15 6—Well's Hetton 15 6—Hastley 16 6—Well's Hetton 15 6—Hastley 14 6—West Wylam 13 9—Pilmmer 15 6—Russell's Hetton 15 3—Shotton 15 Setwart's 15 6—Whitwell 14 6—Kelloe 16 3—Adelaide 15 3—Cowndon Tees 14 6—Tees 15 6—Ships at market, 142; sold, 87; tunoid, 55.

FRIDAY.—Adair's Main 13 6—Buddle's West Hartley 15 —Carr's Hartley 15 6—Davison's West Hartley 15 6—Dean's Primrose 13 6—Grace's Hartley 13 6—Hasting's Hartley 15—New Tanfield 13—Ord's Redheugh 18—Tanfield Moor 15—West Hartley 15 6—Ovepen Hartley 15 6—Grace's Hartley 14 6—Wylam 13 9—Eden Main 14 9—Holo 13 6—Cowpen Hartley 15 6—East Hetton 14 6—Hetton 15 9—Lambton 15 3—Russell's Hetton 15 3—Shotton 15 5—Sewart's 15 9—West Main 14 3—Tees 15 6—West Tees 14—Ships at market, 48; sold, 59; unsold, 27.

WORK PERFORMED BY CORNISH ENGINES.

of pumping-engines reported for the month of June is 29—the quantity and being 2271 tons, lifting, in the aggregate, 24,000,000 tons of water 10 the average duty of the whole is, therefore, 53,000,000 lbs. lifted 1 foot high fathoms high—the aver amption of a bushel of coal. The following have exceeded the average:-

Mines.	Engines.	Length of stroke	Load in pounds.	Lond per 8q. inch on pist.	Strokes per min.	Con- sump. of coal in bus.	Million lbs. lifted 1 foot by consump. of 1 bush.coal	Average quantity of water per min.
	Western, 80-in.		89,724	14-2	5.5	2736	55.6	3 1194-5
	Roberts's 70-in.		72,374	14.6	6.0	2232	56.3	3
	Sims's 80-in.	10.0	75,454	12.0	7.2	3737	74.6	630.0
	Leed's 60-in.	9.0	47,391	13-0	8.1	1934	99.0	192.7
North Roskear	Wh. Chance, 60	10.0	63,610	13.2	4.5	1810	53.6	219.1
E. W. Crofty	Trevenson's 80	10.33	84,887	12.6	2.8	1382	57-1	158-4
Carn Brea {	Sims's 50, 99 }	9.0	42,292	16.7	5.3	758	72.3	
Poldice	Sims's 85-in	10.0	73,992	9.1	7.0	3136	53.8	497.0
United Mines	Eldon's 30-inch	9.0	13,631	16.0	8.9	564	67.7	2
	Loam's 85-inch	10.0	89,320	11.8	6.2	2990	58.7	\$ 965.3
	Hocking's 80-in	10.0	98,189	14-6	6.4	4050	55.1	1
	Williams's 80	10.0	74,576	11.8	6.5	2676	59.0	451.7
	Penrose's 70 in.	10.0	42,287	9.8	3.1	808	60.2	W. Children
	Michell's 70 in.	10.0	52,806	12.3	4.9	1565	60.7	628.0

DATENT IMPROVEMENTS IN CHRONOMETERS. WATCHES, AND CLOCKS.—E. J. DENT, \$2, Strand, and 23, Cockspurstrees watch and clock maker, BY APPOINTMENT, to the Queen and his Royal Highnes Prince Albert, begs to acquaint the public, that the manufacture of me hornometers watches, and clocks, is secured by three separate patents, respectively granted in 1836 1840, 1842. Silver lever watches, sewelled in four holes, 6g. secul; in gold cases, from 28 to \$10 extra. Gold horizontal watches, with gold disk, from 8 gs. to 12 gs. sect.). DENT'S PATENT DIPLIEDOSCOPE, or meridian instrument, is now ready for delivered amphilets containing a description and directions for its use is. each, but to customers gr

Amphletsontaining a description and directions for its use is. each, but to customers gratis

AMHEROGE WHEAL MARIA (LEAD & COPPER) MINE:

IN 9048 SHARES.

WHEAL CONCORD SILVER-LEAD MINE: 1024 shares.

WHEAL WALTER LEAD AND COPPER MINE: 1024 shares.

WHEAL WALTER LEAD AND COPPER MINE: 1024 shares.

LOSTWITHHEL CONSOLS COPPER MINE: 1024 shares.

The BUSINESS of the ABOVE MINES (now in operation on the cost-book system) so conducted at No. 4; RING-STREET, CHEAPSIDE, LONDON, where all INFORMATION respecting them, and the value of the shares, may be obtained.

Speciments from each mine may also be inspected.

WHEAL KELLY LEAD AND COPPER MINE (Devon): 2048 shares.

PRINCE EDWARD LEAD AND COPPER MINE (DOWN): 2048 shares.

COSHEEN COPPER MINE (county of Cork, Ireland): 1024 shares.

ABUTULLY COPPER AND SILVER-LEAD MINES (county of Korry, Ireland):

3300 shares.

— 3300 shares WHEAL HOLWELL: 2048 shares. SHARES in the five last-mentioned mines TO BE DISPOSED OF. Some splendid specimens of ore from Cosheen and Ardtully have just been taken from the different lodes. JAMES CROFTS, Secretary.

WANTED, an experienced MINING CAPTAIN, to undertake the MANAGEMENT of a MINE, in full operation, in the neighbourhood of TAVISTOCK. A liberal kalary will be given, and first-rate testimonials will be required.

—Apply to Messrs. Watson & Cuell, Mining Offices, 11, Nicholas-alley, Cornhill, Lamaria.

TO MINING CAPTAINS.—WANTED, for a LEAD MINE, in DEVON, now in full course of working, a CAPTAIN, who thoroughly understands, and has had much practical experience in the developing of, LEAD LODES, and inderstands disilling: A liberal salary will be given.—Apply (by letter) to James Caores, Sci., Mayiso Gerricas, No. 4, king-street, Cheapside, London, stating terms, and with detimonals of ability, &c.—Dated July 18, 1846.

NOTICES TO CORRESPONDENTS.

ur next Journal will be on the usual Enlarged Sheet, and, with Continuation of the Series of Papers on the Metallurgical Treatment of Ores, will contain Mining in Ireland - Visit to the Mount Savage Iron-Works, Cumberland, U.s.—"One of the Old School," On the Tutwork and Tribute Question, &c.

C. (Llanrwst).—The American lead, offered in Liverpool, at 171. 10s. per ton, is in pigs, not lead ore, and is in bond.

J. C. (Leeds).—All particulars can be obtained, by addressing Messrs. Vallance and Vallance, solicitors, Essex-street, Strand.

W. P. (Plymouth).—We are obliged to our correspondent for the communication, which shall meet every attention.

Evratum.—In the Journal of July 4, page 284, col. ii., on the "Iron Trade in France," is (apparently) given—1000 kils. as = 17 cwt. 3 qrs.; this is incorrect, as 1015 kils-are = 1 ton.

THE MINING JOURNAL And Atmospheric Railway Sagette.

LONDON, JULY 18, 1846.

The quarterly meeting of the Staffordshire ironmasters went off with a decided tendency to higher future prices, and the transactions in rails and Welsh and Scotch pig-iron have since been at advanced rates. This prosperous state of the iron trade, emanating from actual demand for the various requirements connected with, as well as distinct from, railway enterprise, is pourtrayed in a letter inserted in our Journal of last week from a correspondent—"A Looker On"—whose views of the future are based on facts that are Looker On "—whose views of the future are based on facts that are slowly, but securely, developing themselves; and, as the railway companies, whose works are advancing to require iron at near the same time, apply for their respective wants, such simultaneous demand will realise, to a certain extent, the prediction of our correspondent, that "The money may be found; the iron cannot be supplied"—seeing how widely distributed the lines in progress are from each other, and how essential many of them have become to the prosperity of their respective neighbourhoods. To the home demand this week for rails, there is, likewise, an inquiry from the continent; and not much disposition evinced by makers to take contracts at an advance of 10s. per ton. Scotch pig has been sold to some extent, and 75s. is obtainable for mixed numbers. Welsh pig in better demand, and higher prices offered for some descriptions. in better demand, and higher prices offered for some descriptions.

In another column will be found the quarterly sales of copper ore from 48 of the principal mines in Cornwall, showing the number of tons of ore sold at public ticketing, and the amount received from each—the total being 36,479 tons ore, and realising 193,636l. 2s. 6d. From this table it will be seen, that the "Great Devonshire Consols" (Wheals Maria and Fanny only) have produced the enormous amount of 4809 tons, realising 31,864l. 19s. 6d., or nearly one-sixth of the whole. These extraordinary mines thus still supporting their character for "quantity," the amount being 50 per cent. over the sales of last quarter; and the "quality" of the ore, it will be seen, is still maintained, averaging 6l. 12s. 6d. per ton. In the other great mines—the United, Carn Brea, Fowey Consols, Great Consols, Par Consols, Wheal Seton, West Caradon, &c.—a great increase has also taken place, and the whole amount received has been increased from 164,000l. to nearly 194,000l., or 12 per cent. The list will be found to consist of nearly the same mines as in our quarterly return, published in the Mining Journal of the 4th of April last. These returns are of a highly gratifying nature, as showing the successful results of the largely increased enterprise in mining, which has been gradually taking place during the current year, and carrying with them the conviction, which we have so often endeavoured to convey, that capital, judiciously applied to mining, is certain, in the end, to produce a more profitable return than in, perhaps, any other branch of commercial industry. In another column will be found the quarterly sales of copper

It may be confidently affirmed, that there is no social question of greater importance, or of more immediate urgency, than—in what manner, and to what extent, the condition of the labouring classes in Great Britain can be ameliorated. Whatever may be their differences on other points, in this all parties concur, that, as to our industrial masses, the social edifice requires reorganisation and reform: the specific measures necessary to this end it is not so easy to point out. The case requires, in its several relations, a resort to principles in themselves unexceptionable, and the most consummate principles in themselves unexceptionable, and the most consummate administrative skill in their application. It is impossible that a population, increasing at the rapid rate of about half a million per annum—one-half of which is born to no inheritance but that of labour—that such numbers can be safely received into the bosom of the commonwealth, unless, by the care of a vigilant and paternal Government, such nourishment and guardianship is afforded in respect of them as the weather and weathers of them as the weathers and weathers. of them as the wants and weaknesses of so vast a family must necessarily require. Occasionally, as we know, the symptoms of an inveterate distemper present themselves—some act of singular savageness, or of resolute insubordination, floats on the surface of the vageness, or of resolute insubordination, floats on the surface of the social stream; and then, for a time, the undulations, the upheavings of the great sea, are seen and lamented. But it is to be feared, that as a whole, and in its full extent, the destitution and immorality of millions of our population is an ocean whose depths remain yet to be fathomed. We consider it perfectly certain, we reckon it to be an absolutely ruled point, that no remedial course can at all adequately meet the case, that does not provide for an improvement in the money circumstances of the labouring portion of the community. The seeds of an improved morality, or of a more spiritualised religion, will be sown at a fearful disadvantage—and, besides, be in danger of being effectively choked—if the popular mind and body continue to be overtasked with the daily labours and anxieties of life. Improvement, if intended to be permanent, must be the result of Improvement, if intended to be permanent, must be the result of

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reflection, and not of impulse; and for that some ease and leisure will be necessarily requisite. Without alms giving, without a statutable endowment, there must be a contrivance for enriching the hand of diligent labour. We do not covet or care about an increase of the national wealth—that will flow through the land at all seasons of the year, with sufficient depth and fullness—but we should rejoice to see a series of canals and capillary tubes, radiating from the body of the great stream, carrying fertility and contentment to the homesteads of the miner and the manufacturer.

By the perfecting of the bill for the importation of foreign corn, the great territorial lords have been let down at least a peg. By an the great territorial lords have been let down at least a peg. By an enactment—or, if needs be, by a series of enactments, operating npon the labour interest of the kingdom—lift up the lackland millions at least a peg—doing which you will have brought the two opposite, and in some things antagonist, powers of the State into such an improved harmony, and understanding with each other, as will enlarge and concentrate for all national purposes the energies and interests of all. Circumstances have given us frequent opportunities of access to the labouring mind of the kingdom—we have read and treasured up the short and simple counsel of the poor—and it is principally from this acquaintance with their history and and it is principally from this acquaintance with their history and their hopes, that we venture in this place to affirm, that there is not in our judgment, within the wide sway of the British scepte, a class of men more requiring, or more deserving, the interposition and the assistance of the legislative and the wealthy, than the mining labourers of Great Britain.

It was only from want of space that we did not notice at greater length, in last week's Journal, the report of the New British Iron Company, presented at the meeting held on the 7th instant, and also that of the Royal Santiago Mining Company, held on the 8th inst. The former, though short, is of the most encouraging character, when we call to mind the state of the original company, from whose asket we call to mind the state of the original company, from whose ashes the present one has phonix-like arisen, with better success, and with future prospects of the most promising character—the continual losses embarrassments, and discouraging circumstances, attending a protracted and most expensive law-suit, and during a period when the iron trade was in a fluctuating and unprofitable state: it is a gratifying proof of what well directed enterprise will effect even, to many a superficial observer under the most unpromising and disadvantageous prospects. Had it not been for the prudent foresight of some of the parties largely interested, which induced them to attempt the resuscitation of the company, and endeavour to regain at least some part of the large sums which had been lost, the valuable mineral property, now in the possession of the New British Iron least some part of the large sums which had been lost, the valuable mineral property, now in the possession of the New British Iron Company, would have gone into the hands of others who had had no share in the misfortunes of the old company; while under the present arrangement, and the profitable state of the iron trade, those, at least, of the old shareholders, who stuck to the bark until she was brought safe into port, will now have to rejoice in their adherence, and the prospect of fature returns. The dividend, it will be seen, was 20s. per 10l. share, or at the rate of 20 per cent. per annum.

With respect to the Santiago report, it is so far satisfactory, as being of a more encouraging character than that of the half-year

being of a more encouraging character than that of the half-year ending 31st August. In that period there was a considerable deficiency in the receipts to neet the expenditure; in the last accounts, there is a profit of 29281. 19s. 7d., which makes up the deficiency—leaving a clear balance of 6544. 3s. 9d. on the half-year. After a due consideration of the present appearances and prospects, the di-rectors came to the conclusion, that they were justified in declaring a dividend out of the profits of the half-year, reported at the meetring in July, 1845, amounting to 23s, per share, payable on and after the 16th inst. With respect to the law-suit, which has been so long pending between this and the Cobre Company, and which has been productive of bad feeling, delays, great loss, and expenditure, we are happy to observe, that the directors are about to make arrangements for the estituent of the dispute if possible on an equivable ments for the settlement of the dispute, if possible, on an equitable basis, which will be a result most advantageous to all parties con-corned. The colonial gents of the long robe of Spain have long been proverbial for their cupidity; and while it is to their interest to pro-long the contest, the shaveholders will find it theirs to bring the af-

to an amicable termination.

The lamentable accident at East Wheal Rose, recorded in another column, whereby 39 men and boys have, with scarce a moment's notice, passed into another state of existence, is one of those suddenly awful ca astrophes which appeals at once to the sympathy of the human heart; and long as the MINING JOURNAL has advocated the establishment of some general means of assistance for the widow and fatherless, occasioned by the desolating casualties which so often—alas! too often—happen in mining districts, as well as for the passing of some legislative measure for the prevention of accidents in mines and collecties, we were never before called upon by a circumstance so perfectly unprecedented to endeavour to arous the dormant energies of the miners' friends—and to impress upo them the moral duty of that large body of wealthy and influential individuals, who derive fortunes from the exertions of the working miner, to take some immediate steps for obtaining the formation of an institution—a miners' club, for instance—by which there would be some certain source of relief for his family to fall back upon in cases either of disability or death; and further, to obtain the passing of such legislative enactments as will compel the managers of mines and collieries to make such necessary arrangements for the prevention of these arrestlements. tion of these appalling accidents, as the present advanced state of science can command. This accident has occurred, not from the science can command. This accident has occurred, not from the expected sources of danger—the breaking into subterranean deposits of water, deleterious gases, or the commonly occurring falling in of roofs—but from a source, against which not the slightest idea could be formed of making any preparation, simply because it was never expected to happen—viz.: the effects of a thunder storm, and tremendous shower of rain, by which, in comparatively a few minutes, the mine, with 200 human beings inhumed, was more than half filled with water—the consequence is, that 39 fellow creatures are lost to society, and 22 widows and 60 children thrown upon the world helpless and destitute. Once more we call upon those who profess to be the miners' friends to aid us in the furtherance of these desirable objects, convinced that not only will it be a boon to the miner and he family, but of inegleulable advantages to the siden. miner and his family, but of incalculable advantage to the adven-

Among the several subjects to which our attention has been directed of late, is one requiring serious consideration, as affecting the cost-book system, which we had ever considered was so simple in itself, and so clearly defined, that it would be an insult to common sense to attempt to offer an explanation to any one connected with mines in the county, more especially those who, from their local position, must be assumed to be in possession of the general rules applying to mining. It would, however, appear that there are certain parties, who would endeavour to lead their coadventurers and the public astray as to the cost-book system, and who are anxious to render it just as will best meet their own views or interests. It is, we confess, with surprise that we find intelligent men, such as Mr. Land and others of the legal fraternity in Liskeard, laying it down as law, that no adventurer can resign his shares or interest in an adventure on payment of his proportion of costs up to the period of sense to attempt to offer an explanation to any one connected with adventure on payment of his proportion of costs up to the period of his dectaring such intention, and taking his like proportion of funds, value of ores, materials, &c.—a proposition of such a nature having been rejected in two instances within the past few weeks, one of which was recorded in our columns last week. We find the 63rd section of the Joint-Stock Companies Registration Act quoted fre-

quently in connection with prospectuses issued for working mines, the words being, "that nothing in this Act contained shall extend, or be construed to extend, to any partnership formed for the working of mines, minerals, and quarries, of what nature soever, on the principle commonly called the cost-book principle." Now, it must be clearly evident to all, that the cost-book principle is assumed as well defined and understood, and that it holds out peculiar inducements, among which is the limited responsibility of liability of the adventurers, the accounts being made up every two months, or at stated intervals, and a division of the profits or loss arrived at. It is true, that this course is not strictly observed in all cases by parties who profess to work a mine on the cost-book system, but that such is the principle on which the system should be carried out, we believe no doubt can be entertained by the most sceptical. We have already said, that one of the principles of the cost-book system is that, on closing the accounts every two months, any adventurer have already said, that one of the principles of the cost-book system is that, on closing the accounts every two months, any adventurer is at liberty to retire; and, on paying his proportion of costs up to that day, is entitled to have his share written off the cost-book, and any intimation in writing to the purser, or personally communicated at the meeting, and entered on the mines, is binding on the adventurers generally,—and thus frees the party so resigning his interest or share in the mine from all future responsibility; while he is, moreover, entitled to his proportion of the value of the materials, ores, funds, &c., the same as if the mine was abandoned, or that the "bal was knacked." We think it right thus to direct attention to the subject, which is one of the greatest importance, as involving the interests of thousands, and on which many hundreds of thousands of pounds may be said to be dependent. We shall resume the subject in our next, and in the meantime court the correspondence of ject in our next, and in the meantime court the correspondence of those interested in the subject, and more especially those intimately connected with the working of mines on the cost-book system.

IRISH PACKET STATION.—Some time has now elapsed, since we made an announcement in the Mining Journal, with all but official authority, that the Board of Admiralty had declared that Bantry Bay, in the west of the county of Cork, was the most eligible of the three bays or harbours on the south-west coast of Ireland, which had been under consideration, for the establishment of a trans-Atlantic packet station. We, in a series of articles, pointed out the advantages which, in every requisite for such station, that bay, with its harbour of Berehaven, possessed, beyond the other two harbours—Valentia and Galway,—or, at the mouth of the Shannon, also suggested for a station. Not that we denied the possession of great advantages to them, particularly to Valentia; but that it was palpable to all seamen and surveyors of the south and western coast of Ireland, that the great superiority of advantages was in favour of Berehaven harbour—that it was more accessible in every state of wind, tide, and weather, and more secure in every sense, than either of the others—and that, above all, it was that which lay the most convenient for a starting point for, and an arrival point from, America and the West Indies. Valentia, on this head, could alone approach it in competition. Then, the facility of and an arrival point from, America and the West Indies. Valentia, on this head, could alone approach it in competition. Then, the facility of constructing a railway from Bantry to Bandon—a work already undertaken—and the rapidity of conveying the mails from Cork (to which a railway from Bandon is being constructed, and, as we believe, nearly completed), by steam-packets to either Padstow or Minehead, and thence by railway to London—was dwelt upon by us as an advantage of the greatest moment. From Bantry to Cork 1½ hour, from the latter to Padstow in 12 hours, and from thence to London (240 miles), say in 8 hours. By way of Minehead would make a difference in delay of, perhaps, two hours on the whole, owing to the greater length of the sea voyage from Cork to that place. At the time that we announced the declared preference of the Admiralty for Bantry Bay, as the contemplated packet-station, we were aware that the final selection of the station rested with the Treasury; but we assumed, as an apparent matter of course, that the latter would be alwe assumed, as an apparent matter of course, that the latter would be al-together guided in its selection by the recommendation of the former. When we first made the announcement, that it was determined to esta-When we first made the announcement, that it was determined to establish a packet station, and a military depot, or station, for transference of troops, with as little delay as possible, to any point from the south-west of Ireland—and, farther, that Bantry Bay was preferred for such stations—we well recollect the incredulity of some of the Irish, and of all the English journals, that noticed the subject. The first thought it too good to be true—the last believed it too absurd to be possible: the one asserted, that the English Government would never confer such a benefit on Ireland; and the other, that it would not presume to take away from England any portion of the monopoly of packet stations for either Ireland's, or even the empire's benefit. The clever Cofk people were, however, quite alive to the possibility of the thing—so were the good people of Kerry—and rail ways to Bantry Bay and Valentia were projected, and deputations from each county sent to Sir Robert Peel, who, for his only answer, stated, that the selection of the packet station would mainly depend on the lines of railway affording the greatest facility and rapidity of conveyance from either of the harbours in question—Cork and Dublin. This reply was, if it said nothing, very encouraging to either deputation, considered to be a either of the harbours in question—Cork and Dublin. This reply was, if it said nothing, very encouraging to either deputation, considered to be a virtual admission that Government had determined on the packet station. Thus rested the matter for that time. Parliament met, and week after week passed away, without any allusion to the Irish packet station being made by any party. The Government were too importantly occupied in greater and more pressing affairs. At length, on the 31st of March, the Marquis of Lansdowne, in presenting a petition from the grand jury of the county of Kerry, praying of the House of Lords to expedite Irish railway bills as much as possible, in order to give employment to the poor of Ireland, took occasion to "call the attention of the House to a matter of creat importance—viz. the establishment of a packet and military station. Ireland, took occasion to "call the attention of the House to a matter of great importance—viz: the establishment of a packet and military station on the south-western coast of Ireland, and the securing of a good and speedy communication across the Atlantic. He, therefore, wished that the Government should express their intention in respect to the selection of such station, while the lines of railway were under the consideration of the House." "It was (added the noble Marquis) most important in the embarkation of capital in them, that the station should be fixed on, whether at the mouth of the Shannon, Valentia, or Bantry Bay, or any other place that may be deemed more eligible. There ought, in his opinion, to be some understanding with the Government with regard to such a measure, so that those railways should be made to answer in the best way for public purposes. He would give no opinion on the best point for a station, but he would call on his noble friend, the First Lord of the Admiralty, to state the intention of Government on the subject, in order that no difficulty he would call on his noble friend, the First Lord of the Admiralty, to state the intention of Government on the subject, in order that no difficulty should be thrown in the way of accomplishing the schemes proposed for railway accommodation in Ireland." To this the then new First Lord of the Admiralty, and late Governor-General of India—the Earl of Ellenborough—replied, "that he was obliged to his noble friend for the suggestions, but he would beg leave to inform him, that the selection of a station on the west coast of Ireland rested with the Treasury and not with the Admiralty. But he would say, with regard to the ports named for a packet station, he thought that Valentia would not be selected. Bantry Bay was better, but Cork was better than them both." This declaration produced a letter from the Knight of Kerry, in defence of Valentia, and in utter depreciation of Cork, for a trans-Atlantic station. Upon what data the noble First Lord of the Admiralty gave the preference to Cork over Valentia and Bantry, it is possible (now that his official career as such, for a time at least, is terminated) he will not state; but certain it is, that such preference was more in accordance with the knowledge of a Governor-General of India, than that which a First Lord of the Admiralty should possess—at least, in respect to matters so near home, and connected Governor-General of India, than that which a First Lord of the Admiralty should possess—at least, in respect to matters so near home, and connected with his official duties. Now that a new Administration, of which the Marquis of Lansdowne is a distinguished member, is installed in power, we trust the noble Marquis will not allow much delay to intervene in making this question, of the Irish packet station, a Government measure. We have extended our remarks rather further than our present space would, in justice to other claims upon our columns, permit,—but the importance of the subject, in a national point of view, must be our excuse. On the next fitting occasion we shall return to it.

CAMERON'S STEAM COAL AND SWANSEA AND LOUGHOE BAILWAY COM-PANY.—We are glad to be able to announce that this bill was read a third time and passed in the House of Commons yesterday evening; and having passe that ordeal, we think there is now every prospect of its safely passing the Upper House, and receiving the Royal Assent.

Hoor Trade.—It is remoured that an iron foundry is about to be erected at Newbold, near Chesterfield. The foundry on the Wingerworth estate is rapidly progressing, and there seems every prospect of the iron trade in the neighbourhood of Chesterfield becoming as flourishing as formerly.—Derby Reporter.

QUANTITY OF COPPER ORE SOLD AT PUBLIC SALE. the county of Cornwall, from 48 principal mines, with the Number of Ticketings, Number of Tons (21 cets.), and Amount of Money, for THE QUARTER ENDED JUNE 30, 1846.

Minos.	No. Tick	etin	ngs.	Tons.	4,000	must q	f M	one
Vheals Maria and Fanny		3		4809		11864	19	6
nited Mines		3		3310	****	4674	16	ä
Carn Brea		3		1894	*****	0330	-6	6
owey Consols		6		1974		9541	15	8
Consolidated Mines	*****			1500		0574	19	6
Wheal Seton		9	** ** **	1400	******	0066	10	0
Vest Caradon			*****		******		19	0
ar Consols		0	*****	1336		3458		
incroft		0	** ***	1900		8457	6	6
anth Canadan		3	** ** **	1577		6476	. 9.	6
outh Caradon	**********	3		1070		6183	4	6
ast Wheal Crofty and Longel	050	3		1083			- 2	6
North Roskear		1		952				0
resavean	**********	3	*****	1433		5348	16	6
tray Park and Camborne Vea	n	2		991		4824	-4	-
outh Wheal Basset		3		833		4493	13	0
Vheals Prosper and Friendship	D	3		989	****		15	0
renow Consols		3		560	*****	3905	9	6
releigh		-8		536		3364	0	-6
nited Hills		9		796		2100	11	6
olcoath					** ** **		.0	6
anivet Consols					41.44.44		18	6
heal Providence								
rambler and St. Aubyn			****		*****		6	0
rambier and St. Aubyn	*********	2		- 363	****	2049	3	6
reviakey	*********	2		220	****	1913	13	0
lolmbush	*********	3		337			15	6
edford		3				1891	17	6
Vest Wheal Jewel					****	1573	0	.0
oldice		1		367		1538	1	0
rewayas						1537	0	6
evant		. 1		258		1477	7	6
rethellan		3		419			17	6
erran St. George		1		300	** ** **		9	6
Vheal Virgin					******		6	0
outh Roskear and Wheal Cha							10	0
odolphin							0	6
ast Pool					*****		0	6
larke Valley								
heat Jewel							18	6
Hear Jewel		40		191			. 2	6
outh Wheal Towan and Lydia	*********	A.					16	6
heal Sisters							8	6
heal Ellen		1		133			14	6
otallack		4		120		780	48	0
heal Harriet		a.		177		679	15	0
retoil		3	*****	149		660	8	6
reeg Braws				136		636	11	0
allenbeagle				190			13	0
ondurrow					****	550	9	6
t. Agnes Consols				122		410	3	0
						410		

THE IRON TRADE—QUARTERLY MEETINGS.

The last of the district quarterly meetings was held at Birmingham, on Saturday last—the assemblage of ironmasters was large, and the utmost spirit and activity prevailed. The trade was pronounced to be in a decidedly healthy state, and many large transactions took place. It was admitted on all hands, that there had been a greater sale of pig iron during the past week in this district, than at any former quarterly meetings for many years past. It is estimated that about 25,000 tons of that description of iron were sold in lots of from 500 to 4000 tons, independently of the large railway order noticed in our last. Under these circumstances, there was no disposition to recede from the prices of Thursday; on the contrary, they were fully confirmed, and may be said to have advanced on those of the last quarter, as pig iron is now worth five shillings a ton more than it was sold at since April last... The prices will, therefore, stand thus:—Bar iron, 101; pig iron, from 41. 15s, to 51; and 54. 5s. for real blast. For Shropshire iron, 54. 10s. was asked, but refused. This pros perous state of the trade is truly gratifying; and, after all said against railway speculations, must be mainly attributed to that mest important branch of our commercial enterprise. Three years ago, Dudley was one mass of wretchedness: half the shops were closed, and no more appearance of trade than if such a thing never existed in the place; mills, forges, and blast-furnaces, were nearly all out of work. The mechanics were leaving their homes and emigrating—and those who could not escape were dragging out a miserable existence on some newly-constructed roads, at 8d. and 1s. per day; while the miners in work could only earn 2s. per day, the colliers 8s., and superior workmen at the same ratio. Bar iron then sold for 5l. a ton, pig iron 2l. 5s., and no prospect of any other than these ruinously-low prices. Now, good retail shops cannot be had at any advance of rent. All the mills, &c., except those in repair, or the operations of which are suspended for some useful purpose, are at full work. The masters cannot find hands enough to execute their orders: the miners are receiving from 3s. 6d. to 4s. per day—the colliers earning 5s. a day at the thick coal, and from 3s. 6d. to 4s. at thin coal; while an iron-maker and his boy can command from 4t that there had been a greater sale of pig iron during the past week in this district, than at any former quarterly meetings for many years past. It is

ANA	WITH SHAPE CONDUCTIONS	A DESCRIPTION OF THE RESERVE OF THE PERSON O	ALTER AL FRANK
Proprietors.	Works.	Furnaces.	In blast & out.
W. H. Spavrow	Lane End	3	3
R. E. Heathcote			
Thompson			
Lord Granville			
J. Firmstone			
Thomas Kinnesley			
R. Sneyde			
Goldendale Company		2	2
STATE OF THE PARTY			- Appel
			17

The quantity made weekly in this part of the country, in the year 1843, was 620 tons weekly, now the make amounts to 1530 tons.

DR. CLANNY'S SAFETY LAMP.
wing valuable testimentals in favour of Dr. Reid Clanny's im-The follow roved Safety Lamp have just come to hand, having been mislaid-and which we have much pleasure in placing before our readers:-

which we have much pleasure in placing before our readers:—

From John Russell, Esq., proprietor of the Risca Collieries, near Newport, April 16, 1846:—"I requested Dr. Clanny to furnish me with two of his improved safety lamps, in order that I might at once proceed to test their merits. The safety lamps came to hand only two or three days before I left home, so that I had not an opportunity of ascertaining the full extent of the improvements made—but so many advantages presented themselves in this improved safety lamp" over all others I had used or seen, in the very limited experiments that I was enabled to make, that I have no hesitation whatever in offering my testimony is its favour. I am the more ready to do this, because I have this morning received a letter from my clerk, in which he states, that my colliery viewer has still further tested the merits of Dr. Clanny's improved safety lamp, and he also speaks in the most satisfactory terms of the advantages which it affords.

P.S.—I have, perhaps, made an important omission, in net stating in what the advantages of Dr. Clanny's safety lamp consists—it is in the much greater light which it affords (quite sufficient to work by)—its more economical consumption of oil"—while it is much safet than any other which has been used in my works. These remarks have reference to Dr. Clanny's improved safety lamp.

We have also pleasure in printing the following testimonal which cons

We have also pleasure in printing the following testimonial, which goes a considerable way back, in respect to date—viz.: 1841—and comes next to that of the distinguished Report of the South Shields' Committee on Accidents

From JOHN JOHNSON, Esq., Willington, April 13, 1846;—"I have to say, with regard to your new safety lamp, that since the year 1841, I have generally used it during my inspection of the collieries with which I am connected, and have, consequently, had many opportunities of testing it, in explosive mixtures, and also in strong currents of air. With regard to the former test, I have invariably found it to be a perfectly safe lamp; and, although I have frequently kept it in the explosive mixture for some minutes, I have never yet known the glass to become dangerously heated. In strong currents of air, travelling at the rate of 8½ ft. per second, or 5½ miles per hour, I have not at any time observed the flarme to be affected, which renders it remarkably serviceable to those works men, in a maine, who are exposed to them, such as wastemes, &c.; and as the force of the current is not directly against the flame, it is impossiblefor any sparks to be blown from the lamp. This lamp is a very great deal superior to any other I have seen, with regard to the increased light—and, as the light from the wick does not pass through the meshes of the wire gauze (as in the case with the Davy lamp)—you have taken advantage of this improvement by information."

* The same observation was made by 6. Elliot, Esq., in his testimonial in favour of

The some observation was made by G. Elliot, Esq., in his testimonial in face "Clarmy latin," vide, our possibilities number, being for the 26th ult... we can't that, carevious paribas, when less all is requisite for a given time, loss soot structed.

PROGRESS OF FRENCH MINING INDUSTRY.

1

According to the report of the engineers of mines attached to the department of Public Works, the number of hunts fourness existing in this country, on 31st December, 1845, was 594; of which 430 were in operation, and 164 inactive. These figures are pretty nearly the same as those of preceding years; but it is to be remarked, that the furnaces employing wood had diminished, whilst those using coke or coal had increased. The number of workmen employed in the fabrication of iron, was 49,683; exclusive of a vast number of labourers employed about, but not in, the furnaces. Here, again, no increase has taken place; but it is assumed, that the workmen did more labour, and that improved systems had been employed. 194 steam-engines, of 6000 horse-power, were employed, as was also hydraulic force of 21,694 horse-power. This presents an increase in the force employed of 6150 horse over 1839, and 2500 over 1843. The working of east-iron, of iron, and steel, caused the consumption, in 1834, of 120,000 tons of ron ore, 581,000 tons of charcoal, 533,000 steres of wood, 237,000 tons of coke, and 430,000 tons of coal. The quantities of coal and coke are represented to be equal to 907,000 tons of pit coal, or or 120,000 tons of ron ore, 581,000 tons of charcoal, 583,000 serves alwood, 237,000 tons of coke, and 430,000 tons of coal. The quantities of coal and coke are represented to be equal to 907,000 tons of pit coal, or nearly one-fourth of the general consumption of the whole kingdom. In 1835, the total quantity of mineral fuel consumed was only 354,000 tons. In 1844, the production of France was as follows:—Wrought iron, 427,000 tons (said to be one-third of the production of England, and three times as much as that of Belgium); raw iron, 315,000 tons; steel, 9130 tons. The official value of all these was 178,000,000 francs, in which the matters employed, as taken at the place of production, figure at 28,000,000 fr. Ten years ago, the production of cast iron was 295,000 tons—thus showing the increase in 1844 to be 132,000 tons. Ten years ago, 246,000 tons of wrought iron were obtained by the employment of wood for fuel, and 49,000 from coal. In 1844, 280,000 tons were obtained from wood, and 147,000 from coal. In 1835, 108,000 tons of raw iron were manufactured by the use of wood, and 102,000 by coal; in 1844, the returns show that 109,000 tons were from wood, and 206,000 from coal. These figures show that great improvement has taken place in France in the manner of conducting iron works. The report of the engineers dwells upon this fact. It says that, when wood only was used, fears were entertained of the future prosperity of the iron trade; but since coal and coke have come to be generally employed, no fears need be entertained, especially since railways and coalled for the property of the iron trade; but since coal and coke have come to be generally employed, no fears need be entertained, especially since railways and coalled for the substance of the fears need be entertained, especially since railways ducting iron works. The report of the engineers dwells upon this lact. It says that, when wood only was used, fears were entertained of the future prosperity of the iron trade; but since coal and coke have come to be generally employed, no fears need be entertained, especially since railways and canals afford such vast facilities of economical conveyance. As regards coal, the number of mines in 1844 was 425, extending over 450,000 hectares; 252 were worked, and 173 remained idle. These 252 mines employed 29,554 workmen, and yielded, 3,550,000 tons of coal, 580,000 anthracite, and 148,000 lignite—total, 3,783,000 tons, representing one-seventh of the production of England, and rather less than that of all Belgium. Since 1839, it appears that the number of coal pits actually worked has only increased by 6 or 8, yet the production has augmented 28 or 30 per cent. But notwithstanding this increase, the supply fell short of the demand by 1,756,000 tons, which were brought from England and Belgium. It would have been possible, perhaps, to have increased the supply; but the cost of conveyance is so enormous—a drawback that will be lessened in some degree by the extension of railways. A comparative statement of the consumption of coal and wrought iron, in different countries, is given, from which it appears, that France consumes 5,400,000 tons of coal, or 154 kilogrammes per head; 480,000 tons of excluding fractions), or 132 kilogrammes per head; 120,000 tons of coal, or 870 kilogrammes per head; 120,000 tons of coal, or 800 kilogrammes per head; 120,000 tons cast iron, or 20 kilogrammes per head; 20,000 tons of coal, or 107 kilogrammes per head; 20,000 tons of coal, or 800 kilogrammes per head; 120,000 tons of coal, or 107 kilogrammes per head; 120,000 tons of coal, or 800 kilogrammes of their monopoly. A Lyons newspaper mentions, in confirmation of this, that agents of the companies have been on the outlook in that neighbourhood for iron works to be sold or let. For my own part I am not very much inclined to credit t

iron, without the express sanction of the Government, which would cer-tainly not be accorded.

The Journal des Debats publishes a letter from St. Petersburg, stating The Journal des Debats publishes a letter from St. Petersburg, stating that, in 1841, the gold extracted from the mines in Russia was 9610 kilogrammes, of the value of 39,000,200 francs; in 1842, 9810 kilogrammes, value 53,200,000 francs; 1843, 12,950 kilogrammes, value, 72,800,000 fr.; 1844, 13,410 kilogrammes, value 75,600,000 francs; 1845, 13,711 kilogrammes, value 79,000,000 francs. The total value of the gold extracted in the five years is 12,792,000L in our money. It will be seen, that there has been an increase every year, and it is likely that the increase will continue for the future. What is to become of the gold? is a question now asked with some anxiety in Russia—England, which has hitherto taken all, clearly not being able to purchase for the future all that Russia is capable of producing. But there will be, doubtless, little difficulty in getting rid of it. France, for example, might take large quantities, in order to pable of producing. But there will be, doubtless, little difficulty in getting rid of it. France, for example, might take large quantities, in order to make gold coin more plentiful than at present.

Make gold coin more plentiful than at present.

Very serious disturbances have broken out among the miners of Ansin. It appears that, some time ago, the directors of the company caused the waggons, or carts, used in the mines, to be constructed of sheet iron instead of wood. This made them much lighter for the workmen to draw. But after a little while, the company not choosing to let all the advantage of the change fall to the miners, increased the size of the waggons, and insisted upon the men drawing them full of coal, without any increase of pay. This, the men contended, was a scandalous imposition, imasmuch, as it made their labour more severe, without any corresponding advantage—and, rather than submit to it, the men turned out en masse. They committed several acts of violence, such as smashing windows, breaking down gates, &c.; and a troop of hussars had to be called in to keep them in order. A day or two after, the men proposed to proceed to all the mines in the neighbourhood, and compel a general strike. The military force had considerably to be increased, and it is now very formidable. All efforts to induce the men to return to their work have thus far been unavailing. Their demands have increased to such an extent, that the company say,

to induce the men to return to their work have thus far been unavailing. Their demands have increased to such an extent, that the company say, that it is perfectly impossible they can be complied with; and they insist that the men shall return to the pits before they are even taken into consideration. At the date of the last letters the men were still on the strike,—and fears were entertained that they would proceed to acts of violence against other mines, and compel the miners to join them. All the principal authorities were on the alert at the head of a strong military force. St. Dizier letters say, that the last quotations of fers battus were 370 fr. to 380 the 1000 kilogrammes; lamines, 370 fr. delivered at St. Dizier, 380 at Paris. The fontes blanches were firm, and the fontes grises were at 200 and 205 fr. Furnaces situated on the banks of feeble water-courses had been put out, owing to the drought.

The terrible accident on the Great Northern Railroad has excited intense sensation. Fonteen persons were nicked up dead, and three (it is

tense sensation. Fourteen persons were picked up dead, and three (it is said) have since died from the injuries they received.—Paris, July 14.

ELECTRO-MAGNETIC ATMOSPHERIC RAILWAY. A patent has been se ELECTRO-MAGNETIC ATMOSPHERIC RAILWAY. A patent has been secured by Messrs. Taylor and Conder, for connecting the propulsive power of the piston in the tube of an atmospheric railway with the train, by the attraction of electro-magnetism; this is effected by having the tube cast as a plain cylinder, with a longitudinal opening in the upper surface, without flanges, and very narrow; this is covered by a rectangular-shaped hollow case, botted down sir-tight on the tube; this cover must be of brass, copper, or some other metal, or substance, not susceptible of electro-magnetic influence, and the bolts must be also of copper. The piston consists of two end discs, between which are fixed four upright square pieces of brass, or copper, capped by iron, called armatures; fitting the rectangular space in the upper case, and presenting their broad surfaces to the sides. To the leading carriage of a train, is affixed four electro-magnets of a peculiar form—vix.: bent into an elliptical form, with an opening in the lower long side, to pass over the rectangular case, and thus present their two faces to the faces of the armatures within. In the carriage is a powerful galvanic battery, to which the magnets are connected by wires, in the usual way. Motion being given to the piston, and the connection of the magnets with the battery effected, the latter become virtually coupled together by the attraction, which the material of the upper case does not interfere with, and draw along with them whatever earniages may be attrached.

Original Correspondence.

THE SUPPLY OF BLAST-FURNACES.

THE SUPPLY OF BLAST-FURNACES.

Sir.,—South Wales derives a large supply for her furnaces from the ironstones of districts very remote from her iron-works, yet there exists within
the reach of every ironmaster in South Wales a rich and boundless supply
of iron one, as rich as the ores of Cumberland and Lamcashire, and to be
got at for less than half the cost per ton—but as yet it lies unknown, and,
therefore, disregarded. Staffordshire has long felt the scarcity of ironstone, and immense prices have been paid for even inferior kinds; yet all
the iron-works in Staffordshire might obtain a supply at one-third the present cost, from a source at present unknown to the iron trade, yet not remote from the iron making districts. Scotland prides herself upon the
blackband, yet a richer and cheaper material for iron making exists there
in tenfold abundance. To what purpose do the geologists and mineralorgists of the present age multiply books and learned treatises, upon the
organic remains of defunct insects and reptiles of the eocene, pliocene, or
miocene zeras, yet overlook the rich treasures which lie neglected and unappreciated in this age of wisdom in trifles. It took the world 5000 years
at least to discover pit coal; and I believe that it would take the geological
world 5000 more, to discover that they have hitherto overlooked the prinworld 5000 more, to discover that they have hitherto overlooked the principal ironstone formation in Great Britain.—R. Musher: Coleford, July 14.

ON THE POWER OF WATER-WHEELS.

ON THE POWER OF WAIER-WILLIAM.

IR,—Your correspondent, Mr. Martyn, in the Journal of the 4th inst. has fallen into a very common error—viz.: the not giving sufficient data for the solution of the question he proposes. If he will inform your readers of the height of the fall in feet, and the weight of the water per second, in all probability he will get the answer he requires.

Blackburn, July 10. OPTIMUS.

THE CORNISH STEAM-ENGINE.

-We hear much of the vast superiority in power of the Cornish engine: we have our attention called to their enormous cylinders of 85 and 90 inches diameter, with 10 feet and 11 feet stroke in cylinder, and much has been claimed for Mr. Sims's combined cylinder engine; but, in looking over Lean's Engine Reporter, which I invariably do, I am always struck by the extraordinary performance of a small engine at the Great United Mines—viz.: Eldon's 30-inch cylinder engine. By the return for United Mines—viz.: Endon's 30-incn cylinder engine. By the return for June last, it appears, that the duty performed was 6.77 millions of blas raised 1 foot high by the consumption of a bushel of coal, with a load of 16 lbs. per inch on the piston—making just upon nine strokes per minute, working continually day and night for 30 days, the total number of strokes being 374,000, and the consumption of coal in the month being 564 bushels. In the same report we have only two engines that beat this in amount of duty, and these are both Mr. Sims's—viz. one at Godolphiu, a single se are both Mr. Sims's-viz.: one at Godolphin, a single

duty, and these are both Mr. Sims's—viz.: one at Godolphin, a single 80-inch, and the 50-inch and 90-inch combined cylinder engine at Carn Brea—the duty of the former is 74,000,000, with a load of 12½ lbs. per inch on the piston, with 6.6 strokes per minute—total, 269,000; and with a consumption of 2280 bushels of coals: that of the latter is 72,000,000, with a load of 16.7 lbs. per inch, 5.3 strokes per minute—total, 185,000; consumption of coal, 758 bushels.

Now, sir, my object in writing this letter is not to underrate Mr. Sims's or any other Cornish engines, but to draw attention to the subject of engine reporting, and to express my surprise that, if one engine exists so much inferior in size, and yet performing a larger duty with so small a portion of fuel, that others are not made on the same plan; or that, if the duty performed by the engines as there expressed is not generally understood, or cannot be well compared, considering all circumstances—such as duty performed by the engines as there expressed is not generally understood, or cannot be well compared, considering all circumstances—such as height of lift, quantity of water raised, drawing perpendicularly or diagonally, whether solely for pumping or doing other work, &c.—then I should recommend that Messrs. Lean add another column, showing the actual quantity of water raised in the month by each engine, with which addition (having the depth, diameter of pumps, and every necessary particular), it would be a matter of easy calculation as to the relative superiority of any one engine, as compared with another; it would then amount to a simple arithmetical formula—viz.: If one engine, consuming 500 bushels of coal per month, raise 1,000,000 tons of water 10 fms. high (the depth, diameter of pumps, and other circumstances being considered), how many tons should another engine raise, consuming 2000 bushels of coal—other circumstances being also estimated? I have long considered the system of calculating the working of Cornish engines anything but explicit to the circumstances owing also estimated. I have long considered the system of calculating the working of Cornish engines anything but explicit to the uninitiated; and Messrs. Lean would confer an additional favour on the public, and add considerably to the utility and interest of their monthly report, by such an addition or alteration as would render comparison easy and correct.—Devoxiensis: Plymouth Dock, July 15.

TUTWORK AND TRIBUTE.

SIR.—I think none can read the letter that appeared in your last paper on this subject, signed "A Mole," without being struck with the sincerity, impartiality, and good feeling that runs through it. This writer has evidently been brought up in "Wisdom's" school, and has attended to her admonition, when she has said to him.—"Open thy mouth, judge righteously, plead the cause of the poor and needy." But, in paying the utemost respect and all due deference to this valuable correspondent, on his advice to use "oil" rather than "vinegar," I will frankly give my sentiments that I have no hope of anything like reform or amendment, on the subject in view, emanating from the operative officers in mines: it is their interest to keep the matter as it is; and if ever a change takes place, it must be through our convincing the principals, consisting of lords, adventurers, and directors, that the change would be highly beneficial to them, as well as to the workmen. It is generally known (and this writer confirms it), that miners prefer working by contract or speculation to fixed wages or owner's account. True, but for what cause? Why, that a fair price is never allowed on owner's account, and especially because a kind firms it), that miners prefer working by contract or speculation to fixed wages or owner's account. True, but for what cause? Why, that a fair price is never allowed on owner's account; and especially because a kind of stigme has been attached to day work in mines. Let us sift this matter. I am an advocate for fair speculation and enterprise, and our nation is celebrated for it; but, like every other wirtue, it becomes a vice when it is suffered to run wild. Let every man listen to the universal teacher, and "sit down and count the cost, whether he have sufficient to finish it," before he engages in any adventure. Hundreds of families have recently been reduced from competence to indigence by railway speculations; and the press has told us that numbers, unable to bear the consequences of their rash undertakings, have destroyed themselves, with their property, by suicide. But this disposition in workmen, to prefer uncertain to certain earnings, is an infirmity and not a merit. The parent of it is "avariee," and is nothing more or less than a desire to obtain more than they deserve. We have it from the highest authority—" Be content with your wages," and, surely, the man who knows that, if he does not earn a certain rum, both he and his family will want the necessaries of life, is the last man in the world who should speculate. I see with satisfaction that "A Mole" has bespoke a place in the Journal next week, and as he is much more competent to the arduous task than I am, I shall cut short my epistle to make him room. I observe that one of your beautiful clandestine correspondents, who signs "The — Miner," is not satisfied with telling lies and giving abuse, but he has given me a mathematical challenge to "Jack Abient a high and a series and a series and since and since and of the red-hot Irishman; because, if he had sent a chillenge to "Jack Abient a challenge to "Jack Abie Mr. Editor, that "Bob Acres" had not taken him for a seco of the red-hot Irishman; because, if he had sent a challenge to "Jack Absolute," and concealed his name, he would have escaped the shame and terror of the field when the cowardly fit came on him when Jack appeared. feel my courage oozing out at the tipe of my fingers."

Callington, July 13. and the pistols dropped from his trembling hands, and he cried out I feel my courage ozzing out at the tips of my fingers." Let this p Let this poltroon

Callington, July 13.

ATMOSPHERIC RAILWAYS—BURNIER'S BAROMETRICALSYSTEM

ATMOSPHERIC RAILWAYS—BURNIER'S BAROMETRICAL SYSTEM SIR,—In several past numbers of the Mining Journal has appeared long articles on (what is termed) the "barometrical" system, for rarefying the air in the exhaustion tube of atmospheric railways, which appear to me to be any thing but explicit, in describing the principle advocated; in fact, it is more a dissertation in railway transit generally, than an Illustration and support of any one system particularly—a dissertation which, summed up, implies what may be comprised in the three lines in his last week's letter, printed in italics—viz.: "that railways will require a definite system of working, in which the power must be produced in the most economical manner, and applied in the whole of its value." He forgot to add, "always securing purfect safety," but that shall be implied. Now, sir, in the first place, I must acknowledge that I do not quite comprehend the description given of the "barometrical" exhausting or rarefying apparatus; his diagrams in the Journal, of the 4th inst., being exceedingly vague, the walls of the cylinders totally undefined (the lines being merely ropes passing

over pulleys), their motion and its effects not described, or the use to which the pipe k is applied. Notwithstanding such deficiency of description, it is apparent that the principle is that of morely an anomnous air-pump, with a 30 ft. stroke; and I feel confident, that so far from the great desideratum of "economical power, applied in the whole of its value," being achieved by this plan, the cost of working would be great, and an enormous amount of such costly power be lost, longere it reached the object intended—vix.: an exhaustion of the working tube, to a good working pressure of mercary. The first cost would be an enormous addition over the fixed stationary engines now in use connected with the pumps—for, in addition to engines of as great, if not greater power, imagine, at every station, the enormous cost of an excavation, something like the descent to the Thames Tunnel, with its system of cylinders, powerful working tackle, large supply of water &c. Every practical engineer is perfectly aware, that in the exhaustion of air from a tube, by even a double action air-pump, a less dense body of air is taken out at every stroke, and, consequently, a large amount of the power is expended in overcoming reaction; in the compression of air the loss is, doubtless, still-greater—the exact amount, however, is yet undefined, and it is most probable less than the exaggerations of some would make it, and greater than others are aware of. Whatever the loss may be, it appears to me, that moderately large air-pumps, exhausting a chamber in connection with the tube, is the most legitimate mode of working, and I certainly shall not feel convinced of even the practicability of Mr. Burnier's system, until I see a better description of its workings, the diameter and height of tank and cylinders, their weight, that of the inner one when loaded with water, cost of construction, and the horse-power required to keep them in continual working, with the length which such system of rarefaction would be able to securely work between faction would be able to securely work between two stations.—Engineer: Blackfriars-road, July 14.

ATMOSPHERIC RAILWAYS—THE BAROMETRICAL SYSTEM.

Sir,-The practical results of dir-pumps applied to working atmospheric railway, are one of the best illustrations of the necessary consequences of small apparatus, attended by special causes of great friction, as employed to perform a large operation.

small apparatus, attended by special causes of great friction, as employed to perform a large operation.

Let us suppose, on the contrary, that, instead of the small cylinders used, some would be employed large enough to perform the operation in a single stroke—the friction of the piston increasing only as the diameter; whilst the capacity increases as the square of the radius, would be proportionately much less—the friction and leakage of the valves suppressed (a cock could be employed)—the great amount of power lost at the end of each stroke, to make a circular motion, be changed into a rectilinear one, saved; the surface of the piston being large, the least difference of pressure on every square inch would become quite sensible on the whole; the slow motion of the piston would allow to proportionate always the power to the resistance—and the operation being finished, when the piston would reach the top of the cylinder, time would not be lost in letting it down; its weight would be more than sufficient to cause its lowering, and the pressure caused on it by the rarefied air under, would become a power to be usefully employed. The great faults of the system of air-pumps had been foreseen by some men used to look forward in any question—the principal object presented by the system of vacuum reservoirs, of water tanks, were these economical characteristics—constant working, large apparatus: are the bases of those systems right? This will be the object of our investigation. We must recall here, that when we express our humble opinion on the works of men that we respect and admire, as it must be in any scientific diseassion—truthais our object—our only object—our support—any other must be laid aside. A clear and fair appreciation has been established, based upon positive calculations; and any lover of truth will accept it from wherever it comes.

The effect produced is represented by certain spaces opened—by the pressure exercised, whilst it travels, on every square inch of its surface.

The power expended is repr

ain to be moved.

If we want to appreciate what is by this system the proportion between the power expended, and the effect produced, we shall first express this effect, P, taking, for instance, an operation performed at one-half exhaustion, the useful effect will be, P=1, volume of the tube, × 7.3 lbs., pres-

enect, P, taking, for instance, an operation performed at one-half exhaustion, the useful effect will be, P=1, volume of the tube, x 7:3lbs., pressure on every square inch = 7:3.

We know that, for one-half exhaustion, the space to be opened to the air, previous to the starting of the train, is equal to the capacity of the tube; we know that the space to be opened to withdraw the air is equal also to the capacity of this tube; and as any space of vacuum, produced by any means, represents on every square inch a pressure equal to that of the atmosphere, we shall have as value of the power expended: q=1 × 14·6 + 1 × 14·6 = 29·2. [Table iv.]

We establish thus between the power and its effect—the proportion which gives their relative value:—q:P::29·2:7·3::100:x—loss per cent.=75. This amount of loss in the theoretical amount, arising from the use of the vacuum to produce exhaustion and traction; there are, besides, several special reasons of waste of power, in consequence of the means employed for producing vacuum. Chemical means have been thought to exist; but the simplest, the most ordinary way—that which is employed in all the condensing machines—is to fill spaces with steam, and condense the steam afterwards. A patent was sealed on the 22d October, 1844, for the direct application of this principle of producing vacuum to the working of atmospheric railways; and the idea contained in it, was to avoid any mechanical intermedia between the natural effect of the steam condensed, and the work performed, in consequence of this condensation; avoid the viction of this principle of producing vacuum to the working of and the work performed, in consequence of this condensation; avoid the triction of a piston, the expenses of constructing, of keeping in order large cylinders, like those of steam-engines, was no doubt a great mark of the special aim to simplicity; but should the principle itself of the direct application of vacuum be defective and impossible, we see in the very construction of the apparatus some peremptory reasons of its never attaining its practical and economical effect.

its practical and economical effect.

Steam is not a body by itself—it is not a permanent gas—it is the manner of being of a body; its existence is the result of the actions of one of the great

of being of a body; its existence is the result of the actions of one of the great agents of Nature, heat, upon this body—it is a consequence of heat; heat is necessary to its existence; and as soon as heat ceases to exercise its effect, steam is no more steam—it becomes water.

Now, is it to be supposed, that steam introduced at a low degree of tension, in large reservoirs full of air—divided from this air by a mere difference of specific gravity, there will not be between the air and the steam a tendency to equalise their temperatures; caloric will not radiate from the steam to the air and steam then cross to avoid.

why did James Watt remove from the cylinders of steam-engines all reasons tending to lower their temperature? Why did he entertain around them as much caloric as possible?—and what is the natural consequence of all these rational dispositions removed in the present apparatus but to of steam in the same proportion as James expense vention did diminish it?

vention did diminish it?

A long experience, the observations of many very illustrious men, have brought us to construct some apparatus in which the steam acts in these conditions of temperature, of seclusion rendered necessary by its nature; we can fairly appreciate the effect of those engines—we obtain from them a secure, constant, and regular regions.

conditions of temperature, of sectusion reindered necessary by its nature; we can fairly appreciate the effect of those engines—we obtain from them a secure, constant, and regular power, and to apply it requires only some special apparatus, constructed according to the object they are destined to perform, and being, as we said, the transition from the power to the resistance.

The idea of applying steam vacuum to working atmospheric railways, has been claimed, with more or less reasons, by two most distinguished engineers; it happened even, in the discussion, that a third party, rather forgetful of economy, did not consider much difference between applying to the purpose high or low pressure steam. But, we must not recall circumstances already far behind us, and which will soon be forgotten, with the cause which produced them. The great mistake of the introducers of the steam vacuum system, has been to calculate the question as a question of volume, whilst the value to be considered was altogether the volume to be opened, and the pressure necessary to open it was the produce of these two quantities.

The manner of creating vacuum, by a certain quantity of rater falling out of a closed tank, and leaving its place to the introducers of the steam of the party of the steam of the presents the advantage of a continual working, but the steam of the presents the advantage of a continual working, but the steam of the steam of the large reservoir by means of pumps, abject to the same produces.

as those used for extracting air from the propelling tube in the actual system. If we consider one of these reservoirs, and the manner in which water is raised in it, and falls when exhaustion is to be created, we see the level to which the water is raised, changing continually with its height in the tank: this change, we must observe, is not a rapid one—so that the engine might, by cutting off the stroke or any other means, be made to work accordingly; but still a very doubtful economy arises from the catting off the steam; and it is always much better to have a steam-engine working regularly, and its power regularly employed. We see, again, when exhaustion is produced, a high column of water leaves to the air only its place, when its weight could open four or five times the same space; and as the lowest point at which the level of the water must be at the end of the operation, is exactly corresponding to the highest pressure wanted, it results that it is the only moment in which the power equilibriates the resistance—and that in all the course of the operation of working, the height of the water is different from that necessary. Without entering into further details of the means employed to avoid this last inconvenience, we shall say that, amongst the schemes proposed, that of the water tanks has at least the advantage of being practically possible; but a great argument, an insurmountable obstacle against its economical possibilities, is the use of small apparatus, of pumps subject to continual disorders: the use of air-pumps at Croydon has proved enough, as regards the insufficiency of such means. The result of our appreciation of the various systems of working railways, and atmospheric railways especially, is thus that there are no means presenting the grand economical characteristics: that, therefore, none of these systems can be free from change and improvement—can be a definitive system, for the construction of which railway companies can safely lay out their capital. The characteristics of this definiti

P.S.—We are pleased to take notice, that, according to our remarks in the Mining Journal of the 27th June, the engineer of a company, entitled "Atmospheric Railway and Canal Propulsion," has acknowledged, at the meeting of the 9th instant, the atmospheric system to be more difficult of application to canal and river propulsion.

Proceedings of Public Companies.

MEETINGS DURING THE ENSUING WEEK.

MONDAY ... Union Bank of Australia-office, at One.
Richmond Railway—London Tavern, at One.
Richmond Railway—London Tavern, at One.
TORDAY ... Commercial Bank of London—office, at One.
Perth and Inverness Pivay—Thatched House Tavern, St. James-st., Ten.
Wadnesday ... York and Lancaster Railway—at One for Two.
TRUESDAY ... Copiapo Mining Company—offices, at One.
Northern and Southern Connecting Railway—London Tavern, at One.
Direct Western Railway—King's Head, Poultry, Eleven for Twelve.
Faiday ... Consolidated Copper Mines of Cobro Association—office, at One.
SATURDAY ... Australian Trust Company—office, at Twelve.
Great Northern R'way (London & York)—Hall of Commerce, at One.

[The meetings of Mining Companies are inserted among the Mining Intelligence.]

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LONDON JOINT-STOCK BANK.

The half-yearly general freeting of this company was held on Thursday, the 16th inst., at the establishment, Princes-street, Mansion-house, W. M. Christy, Esq., in the chair.

The Secretary having read the report—see our advertising columns—Mr. T. Moore made an objection to their keeping up so large a reserve fund as 110,000/s, when they had been told that 100,000/s should be the maximum. He thought the balance now applied to that fund should be divided amongst the proprietors.—Mr. Deputy Corney was desirous of knowing from the director shape probable limit of that reserve fund.—Mr. Forter (a director) said, that the board had a desire to see the concern established on the most solid and firm basis possible, so as to secure the public confidence. With this view, they were not yet agreed whether the reserve fund ought to be 120,000/, or 150,001, but they would be able to report by the next meeting. (Hear, hear).

In answer to a question as to the increased expenditure—Mr. A. Moore (a director) said, that arose partly from the increase of business; and, agais, from the expenses of the west-end establishment having been added to the account.

The Chaurana said, that the expenditure was less than it was in the last half-year, in proportion to the business transacted.

After some further observations, the report was adopted, and the dividend, at the rate of 6 per cent, per annum, was agreed to unanimously.

A vote of thanks was then passed to the chairman and directors, and to Mr. Pollard (the manager), when the meeting adjourned.

ST. KATHARINE DOCKS.

The half-yearly meeting of the proprietors of stock in this company was held at the Dock-house, Tower-hill, on Tuesday, the 14th inst., for the purpose of receiving a report from the court of directors, to declare a dividend, and for the election of directors to serve for the year ensuing.

Mr. Thomas Tooks in the chair.

The Secretary read the minutes of the last court.

The Chairman stated, that, pursuant to the usual course of proceeding, the amount of dividend to be now declared would be the same as last half-year's. He would, therefore, propose that a dividend of 2½ per cent. for the half-year ended the 30th June last (the company paying the income tax) should be declared. As no doubt it would be satisfactory to the proprietors to have laid before them an abstract of the returns made up for the half-year, relative to the trade of the port of London, as compared with that of 1845, he would read the following statistics:—

PORT OF LONDON.

PORT OF LONDON. Account of the Number of Vessels, and of their Register Tonnage, that entered with a from Foreign Ports, during the first six months of the years 1946 and 1846.

and the supplementation of the second	Ships.	Tonnage.		Ships.		Tonnage.	
British	1003	 480,886 141,995		2303 993		165,651	
Total		622,881 ships, an	d 37.696	3296 tons.	195	660,567	
MARKET AND ADDRESS OF THE PARTY		INE DO			15.61		

Ships entered with cargoes during Six Months ended 30th June, in the follo | 1844. | 1845. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846. | 1846

MERCHANDISE.

Stock of goods in warehouse June 30, 1846:—1166 tons, exceeding like period in 1845. The report was adopted, and the dividend, as proposed by the directors

agreed to.

Mr. POYNDER proposed a vote of thanks to the chairman and the court of directors, for their zealous exertions in promoting the interests of the proprietors, and especially for increasing the facilities of trade, rendered necessary by the recent alterations in the tariff.

The motion was seconded by Mr. Ald. FARNCOMB, and carried unanimously. An election for directors then took place, after which the court was adjourned.

DIRECT WESTERN RAILWAY COMPANY.

Aspecial meeting of the scripholders in this company, was held, in virtue of the dissolution bill," at the Kings Head Tavern, Poultry, on Thursday, the 16th dissolution bill, and the kings Head Tavern, Poultry, on Thursday, the 16th dissolution the company and obtain dissolution bill," at the Kings Head Tavern, Poultry, on Thursday, the 16th inst., to consider the best steps to be taken to dissolve the company, and obtain payment from allottees, who were defaulters.—Mr. Alderma Citallis, the new sheriff, was called to the chair; and, in opening the business, he observed, that he took the chair most reluctantly, from the regret he felt that this company was an illustration of the fact, that, however good the intentions of the promoters of a railway, however much wanted by the public, whatever honesty, integrity, and perseverance, the acting committee might evince for the fully and profitably carrying out the measure, their best efforts might be defeated by the very parties to whom they had shown the preference in the allotment of shares, and in whom they had placed confidence for assistance, withholding nayment of their deposits. If one thing more than another tended to show the boad fide and valuable nature of this undertaking, and the consistant intentions of its promoters, it was the fact, that the Great Western Company lost 10 or 12 bills which had come before Parliament, solely on their merits, on one important point—namely: their not extending to Falmouth—the place which was to have formed the terminus of this company. The promoters and the provisional combommittee had shown themselves honest; although, by great exertions, the plans, sections, &c., were lodged before Parliament in time, as soon as they found they could not succeed for want of funds, they reduced to the utmost the current expenses, and practised every possible economy. It appears, further, from the chairman's remarks, that there had been 400,000 applications for shares; that the 120,000 shares were allotted, to some extent, to parties on the line, and in every way the committee thought most likely to conduce to the untrest of the company; that, ont of these, 17,600 shares only had been paid on; and, that, thus their proceedings were arrested, while they had every prospect of complete success, and feared

be added 200% since received. There were further claims of 2877% 19a.7d., which, however, would be greatly reduced, or perhaps entirely set aside. A very lengthened discussion ensued—in which the Chairman, Mr. Ald. Sidney, Lieut.—Col. Johnstone, and Mr. Whalley, took part—as to the best mode of proceeding; three scrutineers were appointed—Messra Bischoff, Coleman, and G. Thompson—when it was found there were not sufficient present to decide; the votes of those present, were however taken, when there appeared, out of 2958 present—for a dissolution without bankruptcy, 2843; for a bankruptcy, none; neuter, 140. An adjournment to that day week was then decided on, and the meeting broke up.—The directors offer immediately 25s. per share to the original allottees—receiving nothing themselves until further funds are obtained—a proceeding to them most honourable; and it is expected 5s. more will be receivable.

GREAT LUXEMBOURG COMPANY.

GREAT LUXEMBOURG COMPANY.

The first meeting of this company was held at the London Tavern, on Tuesday, the 14th inst., and was most numerously and respectably attended—indeed, we have seldom seen so much of the capital and intelligence of the City crowded into one place. The report, which was long and full of most valuable information, was read, and its adoption, and a vote of thanks to the chairman and directors, were carried with acclamation. The importance and extent of this railroad claims our notice. Its termini are Brussels, Metz, and Treves, with branches; one to connect the main line with the Great Luxembourg Canal, for the traffic and minerals of Liege and its vicinage; another into the heart of Ardennes to Bastogne; and a third to the iron works in the north east of France by prolongations—viz.: the State lines in Belgium, the Paris and Strasbourg from Metz, and the lines in progress from Treves to the Rhine at Manheim and Bingen. This noble project will connect the ports of Antwerp and Ostend with the Meuse at Namur, the Moselle at Treves and Metz, and the Rhine in Bavaria and France. It is thus destined to become the great artery of communication between the north and south of Europe, and connot fail to attract travellers to Germany, the north eastern part of France, Switzerland, Austria, and Italy; it will also prove the shortest route for Mr. Waghorn in his Overland journey to India. On the subject of revenue, a very elaborate investigation into the wants and resources of the countries traversed, and into the traffic actually existing along the line, gave at the tariff of the Belgian concession a dividend of 81. 7s. per cent. per annum. This, from the law of increase, determined by the experience of all long lines, cannot fail to be doubled by the time this extended system of railway communication is fully at work. From what we know of the country, and the fact that this undertaking has a monopoly for 12 of its first years, with a preference of every branch or extension which may be desirable aft

approach and have termini at Brussels.

2. The freedom from competition for 12 years, with a right of preference afterwards, as above-named.

3. A tariff, both for passengers and goods, which is upwards of 31 per cent., or nearly one-thurd higher than the tariff of the Belgian state lines; in addition to which, it is permitted to this company to raise its tariff 10 per cent. during the six winter months; and

4. The free bestowal of all Government lands needful for the project.

Other striking advantages are common to all the Belgian projects—viz.: freedom from impost of every kind, and an average rate of cost of construction, much below that of English roads. The Great Luxembourg line, with its extensions, has been estimated at 11,850l. per mile. The average of the State lines—viz.: 347 miles—was 17,237l. per mile; whils 30 of our English lines, nearly 1500 miles in extent, have averaged upwards of 43,000l. per mile. We were much struck with the extended statistics of the report, as also with some important additions in the speech of the president, both of which will repay a careful perusal. The map appended is valuable, as giving the most recent and correct statement of all European lines. The shareholders were greatly pleased with the open conduct of the directors in the financial part of their functions. The entire of the shares (150,000 in number) were allotted at once, in July last year; and, of this rumber, 143,000 were immediately paid upon. Interest, at the rate of 4 per cent. upon the shares, from the 1st of January last, is now payable at the offices of the company; and it was stated, that no further call would be made this year. Great applause followed the amnouncement, that, however extended had been the operations of the directors during the past year; they had, by personal attention to their responsibilities, exacted so rigid an economy, that the outlay at present would not exceed 2s. 6d. per share.

CORNWALL AND WEST CORNWALL KAILWAYS.—The merits of these bills,

Cornyall and West Cornwall Kailways.—The merits of these bills, which now form but one scheme, having been referred to a select committee, came before the House of Lords yesterday, when they decided not to hear evidence against the bill, on behalf of the opposing line, the Cornwall and Devon Central. Mr. Austin, for the promoters, spoke at great length in favour of the scheme, and several merchants were examined as to traffic, until 4 o'clock, when the committee adjourned.

The "Great Western" Locomotive.—On Wednesday last, another experimental test of the convers of this superior engine was made between London and Swindon, which, as before, was completely successful. The train selected was that which takes the morning mails, which, on this occasion, consisted of 14 carriages—viz.: two horse boxes, four carriers' trucks, four first-class carriages, three second class, and one van—the whole, with engine and tender, weighing 120 tons. The several stations were gained as follows:—Slough, 18 miles, in 25 m. 50 s.; Maidenhead, 4½ miles, 8 m. 40 s.; Reading, 15½ miles, in 19 m. 55 s.; Wallingford-road station, 11½ miles, in 16 m. 50 s.; Didoot, 5½ miles, in 9 m. 40 s.; Farringdon-road station, 10¾ miles, in 16 m. 50 s.; Didoot, 5½ miles, in 9 m. 40 s.; Farringdon-road station, 10¾ miles, in 14 m. 45 s.; and reached Swindon, distant 13½ miles, at 12 h. 55 m. 10 s., in 17 m. 40 s.—thus performing the whole journey of 79 miles in 2 h. 22 m. 20 s., or rather better than 38½ miles per hour. The usual time taken by this train is 2 h. 50 m. There can be no doubt the Great Western is a very superior engine; but still there is nothing wonderful in this journey for the broad gauge advocates to pride themselves on—much more rapid journeys than this are daily made on the narrow gauge lines, and we append some remarks of Mr. Leahy, C.E., on a trip he lately took on the Birmingham and Gloucester. The train consisted of nine carriages with passengers, and a luggage van, and was drawn by the Stratford engine, which corresponds in al

the journey, an average speed between the stations of 38 miles per hour, and frequently our velocity was 63 miles an hour."

Major-General Pasley officially inspected the Richmond yesterday, and expressed his entire approval of the line. He authorised the directors to announce the opening of the same to the public on Monday, the 27th inst.

M. Schmidt, the engineer, after having visited England, has returned to Vienna, and has pronounced in favour of executing an atmospheric line at Sommercy; it is the intention to commence the works without delay.

The directors of the North Jamaica have announced their intention to proceed with the scheme.

LEYEL CROSSINGS.—Major-Gen. Pasley has reported against the expediency of permitting the East and West India Dock Extension of the London and Birmingham crossing the London and Blackwall upon a level. The Lord's committee have especially reported on the question, unequivocally confirming the Report of the Inspector, principally on the ground of its being incompatible with public safety.

Mr. Stephenson, in order to set at rest the doubts expressed respecting the practicability of the iron tunnel across the Menai Straits, has had an iron model 20 feet long, and 4 feet high, made and fixed at an engineering factory at Millwall. Extensive experiments have been made on it in the presence of distinguished scientific genslemen, with the most satisfactory results.

Mr. Eadson has been appointed superintendent of the Preston and Wyre at

wall. Extensive experiments have been made on it in the presence of distinguiabed scientific gensiemen, with the most satisfactory results.

Mr. Eadson has been appointed superintendent of the Preston and Wyre at a salary of 350t. a year.

The London and Birmingham, Eastern Counties, and Eastern Union, are said to be competitors for the purchase of the Blackwall. The rumour originated in an offer made by the Birmingham and East and West India Dock Company for permission to cross the Blackwall. With reference to this railway, a correspondent remarks, very opportunely, that it is the only terminus that exists, or is likely to exist, in the heart of the City, and can readily be applied as a City terminus to any of the existing lines on the north of the metropolis.—

Railway Chronicle of this day.

Shinorshire Mirseal Railway.—Tyler v. Newcombe.—This was a suit instituted by a shareholder, on behalf of himself and others in the above railway, charging various acts of fraud against the finance committee and some of the directors.—It he defence was a want of parties; it being argued, that all the directors—all the provisional committee—and a committee appointed to investigate the affairs—ought to be before the court.—The Vice-Chancellor reserved the point until the hearing.

Few persons are aware, that from 1700 to 1844, there are on record 101 shocks of earthquakes in England, 138 in Scotland, and 17 in Wales.

Liver, Stomach, On Bower. Complaints, Cured by Holloway's Pills.—In close, hot, or suitry weather, the food in the stomach frequently ferments and brings on bowel complaints, which is at all times dangerous to weak and elderly persons. When the liver is out of order, it induces heavy and drowny sensations—the forerunners of direntil diseases, as dropsy, apoplexy, paralytic strokes, &c.: such and other baneful consequences are immediately prevented by a few doses of these searching pills, while there sold by all druggists, and at the proprietor's c-tablishment, 244, Strand, London.

Fersons at the turn of He s

44

IMPORTANT TO ENGINEERS, MANUFACTURERS, RAILWAY AND STEAM-BOAT COMPANIES.

W. & C. MATHER beg to call the attention of the ABOVE PARTIES to their IMPROVED ELASTIC METALLIC PISTONS.

The PRINCIPAL FRATURE and ADVANTAGE of THIS IMPROVEMENT is left to predict the support of the su

cosmic riction.

2. Its extreme SIMPLICITY and LIGHTNESS, consisting of only two pieces of metal, naving the vertical and lateral pressure in due and proper proportion, independent of

each other.

3. It takes the LEAST possible SPACE, and is well adapted for air and water-pumps, as it allows of a larger water way.

Mesers. W. & C. MATHER feel confident that it is the BEST ELASTIC METALLIC PACKING yet known, for the above reasons.

Models may be seen at the Safford Iron-Works, Manchester; at W. Barker's, engineer, Newton-Moor; and also at J. Mather's, engineer, Beaufort-street, Chelsea, London.

PATENT VULCANISED INDIA RUBBER.

CHARLES MACINTOSH & CO.

Beg to inform the Public that they are the Patentees and sole Manufacturers of the above Substance. The distinguishing properties of the Patent Vulcamised India Rubber are, its uniform elasticity in various temperatures; its not becoming hard on exposure for extreme cold, nor liable to injury from contact with heat. Its strength is greater than that of naive caoutchoue; it is indissolable in essential odls; it resists the effects of oll and grease in different degrees, according to the purposes for which it is manufactured.

Among the various useful applications of the Patent Vulcanised India Rubber, may be enumerated—

numerated— WASHERS or RINGS for joints in steam, and water-pipes, and for valves for steam, and water-pipes, and for valves for steam, and the joints more effectually made, that

ny orner mode. ELASTIC BANDS, for holding together bundles of letters, papers, &c. In ARTICLES of DRESS.—Springs for waistcoat-backs and trowsers, straps for trowsers.

prace-ends, garters, &c. In CALICO-PRINTING, the substitute for blanket has been found to produ ther impression than the woollen hitherto used, and with considerably less press

finer impression than the woollen hitherto used, and with considerably less pressure; a saving in power, and wear of lapping. COVERS for furnishing rollers (in lieu of flannel), are perfect for their purpose as the India Rubber does not absorb moisture, they can be easily cleansed, and no

need be wasted.

FLEXIBLE HOSE for fire-engines, brewers' purposes, gas, &c.

FLEXIBLE HOSE for fire-engines, brewers' purposes, gas, &c.

SPRINGS for railway and other vans and carriages, and for buffers and drags CORRUGATED FELT, for placing between the rails and the chairs of railways, on the sleepers, to take off the ultimate concussion, and to prevent in wooden continuous sleepers the embedding of the rails, &c.

Cambridge-street, Choriton-upon-Medlock, Manchester, April, 1846.

CHARLES MACINTOSH & CO., PATENTEES, and SOLE MANUFACTURERS, of the VULCANISED INDIA RUBBER, beg to inform MERCHANTS and FACTORS, that they have ESTABLISHED WORKS at No. 22, COLESHILL-STREET, BIRMINGHAM, for the MANUFACTURE of ARTICLES from the VULCANISED INDIA RUBBER, under the patent granted to S. Perry and T. B. Daft; and, for the convenience of those parties who have been supplied with elastic bands for holding together parcels of papers, &c., vest backs, trouser puffs, straps for trousers, boot gussets, belts, garters, &c., they have retained the original numbers given to all the articles, so that orders described accordingly will have homediate attention. The Vulcanised India Rubber has been much improved in quality, and the efflorescence of sulphur on the surface entirely removed. Cambridge-street, Manchester, June 24, 1846.

Cambridge-street, Manchester, June 24, 1846.

PROJECTED RAILWAYS.—BENSON, LOGAN, & CO.'S

PATENT METALLIC SAND CEMENT.

Its MERITS, as stated in letter to the proprietors, by James Thomas Knowles, Esq., architect, Raymond's-buildings, Gray's Inn, are—
1.—"The great tenselity with which it adheres to brick, stone, and iron.
2.—" Its freedom (when properly applied) from those cracks and flaws by which the cements generally used for external stuccoing are so frequently disfigured.
3.—"The total absence of the unsightly tint produced by vegetation.
4.—"The increased hardness which it acquires from exposure to atmospheric influences.
5.—"The great beauty, accuracy, and durability of the mouddings, capitals of columns, crockets, finlals, and other architectural enrichments and decorations formed of it—the smallest and most delicate members of which, as well as the sharpest arises, have with-stood uninjured the severities of our climate, during many winters, and now present the same perfect and highly finished appearance as would be produced by stone carvings carefully executed.

same perfect and highly finished appearance as would be produced by stone carriage fully executed.

6.—" The excellent and agreeable tone of colour which it assumes naturally, and retains without the aid of any colouring or painting.

And, hasly,—" Its extreme hardness and almost entire incompressibility, when used as a mortar, in the censtruction of inverted or relieving arches, foundations under important appearance true and the substantial bearing piers, which have to sustain great weights. For all these purposes it has been extensively used under my directions; and, in some cases, has been exposed to ever seeme trials. The results have, however, without one exception, been most satisfactory; and I do not believe that there are any known substances so well adapted for the execution of works, in which the greatest strength and durability are essential."

Price of metallic sand at Swansea, place of manufacture, 16s. per tou, or in London, 20s. per ton of 21 bushles.

Further information will be given, and specimens shown, on application to Mr. C. K.

20s. per ton of 21 bushels.
Further information will be given, and specimens shown, on application to Mr. C. K.
Dyer, 4, New Broad-street; and at the Metallic Cement Wharf, King's-road (opposite
Pratt-street), Camden New Town, London.

EYSSEL ASPHALTE COMPANY—CLARIDGE'S PATENT.—ESTABLISHED MARCH, 1939, FOR WORKING THE MINERAL ASPHALTE ROCK OF PYRIMONT SEYSSEL, A Bitumiseous Rock, situate on the Euseern side of the Jura. PRINCIPAL DEPOTS: R.OUEN, MARSEILLES, AND STANGATE, Survey Side of Westiminate-bridge, London. The ASPHALTE OF SEYSSEL has been EXTENSIVELY USED, since March, 1833, FOOT PAVEMENTS (public and other) MALT-HOUSE FLOORS PIGGERIES, &c. 52

ATTCHEN FLOORS
BASEMENTS—where it is essential to keep damps from rising
GARDEN WALKS and TERRACES
CARRIAGE DRIVES
COACH-HOUSES and STABLING
DOG KENNELS
BARN FLOORS
TUN ROOM FLOORS
Note—The Sevesal Application of the several application

BASEMENTS—where it is essential to keep damps from rising GARDEN WALKS and TERRACES CARRIAGE DRIVES COACH-HOUSES and STABLING DOG KENNELS BARN FLOORS
TUN ROOM FLOORS
TUN ROOM FLOORS
Note.—The Seyssel Asphalte Company are prepared to enter into special contracts for the execution of railway work, and other public works of magnitude.

I. FARRELL, Secretary, Seyssel Asphalte Company, Stangate, Lendon.

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J. MURDOCH (successor and late assistant to Mr. Hebert)

Informs INVENTORS and PATENTEES, that, at his OFFICE, they can obtain

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here are hundreds of merchants and manufacturers who are suffering from a frau
mitation of their names, manufacturers who are suffering from a frau
mitation of their names, manufacturers, and trade-marks, but who do not feel di
o enter into litigation, and fight individually a battle which is really for the ben
ill manufacturers. 14

to enter into litigation, and fight individually a battle which is really for the benefit of all manufacturers.

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MALT AND HOP EXTRACT, enables PRIVATE INDIVIDUALS to MAKE
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hot-water and fermented.—Sold, in Jars, from 1s. to 7s. 6d., and 14s. 6d., by the
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respectable olimen and grocers.—Also, may be had, gratis, I. REMARKS ON IMPROVEMENTS IN BREWING, by

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